

Giandomenico Amendola - CV

Giandomenico Amendola He holds a degree in Electrical Engineering from University of Calabria-Italy. From 1988 to 1993, he was with the European Centre for Nuclear Research (CERN) in Geneva (CH) designing linear particle accelerators. Since 1994 he is with the University of Calabria where is currently Associate Professor of Electromagnetic Fields. He held courses on Electromagnetic fields, Microwave Engineering, Electromagnetic Compatibility and Radio Communication Systems. During the years his research activities concentrated on analytical and numerical methods for electromagnetics (MoM, characteristic modes, special functions) and antenna analysis and design. Currently his activities are focusing on integrated phased array antenna front ends design, Silicon Germanium MMICs and SatCom antennas. He was responsible of several projects funded by European and Italian Institutions and Companies and published more than 150 papers on journals and conference proceedings. He was associate editor of the IEEE Wireless and Propagation Letters and he is currently Associate Editor of the IEEE Transactions on Antennas and Propagation. He is member of the recently constituted IEEE MTT Technical Committee TSC-29 Microwave Aerospace Systems.

Funded Projects

- 2019 -2021 Responsible of the “Obiettivo Relizzativo 2” (Electron Beam Accelerator and Support Laboratory) of the project “Sorgente Thomson Backscattering per la ricerca applicata nel sud Europa” -“Avviso per la concessione di finanziamenti finalizzati al potenziamento di infrastrutture di ricerca, in attuazione dell’Azione II.1 del PON Ricerca e Innovazione 2014-2020”, currently in realization at the University of Calabria.
- 2019-2021 Responsible of the research unit of the Universita’ della Calabria in the Project “OT4CLIMA - Tecnologie OT innovative per lo studio degli impatti del Cambiamento climatico sull’ambiente”- Programma Operativo Nazionale “Ricerca e Innovazione” 2014-2020, “Avviso per la presentazione di progetti di Ricerca Industriale e Sviluppo Sperimentale nelle 12 aree di specializzazione individuate dal PNR 2015 - 2020”- Area Aerospazio.
- 2018-2019 Responsible for the Universita’ della Calabria of the Project SAVE -POR CALABRIA FESR 2014/2020.
- 2016-2020 Responsible of the research units of CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) in the project funded by the European Community (Horizon2020 program): “QV-LIFT-Q/V band earth segment Link for Future high Throughput space systems” (In collaboration with: Italian Space Agency (ASI) (I), Eutelsat (F), Ommic(F), Heriot-Watt University (UK), ERZIA (I), MBI(I), Martel (CH), Skytech (I))
- 2015-2016 Responsible of the research unit of the Universita’ della Calabria in the project funded by the European Space Agency: “SKATE-Low Cost BFN/RF front end using multimode on chip for Ka band user terminal” (In collaboration with Space Engineering (I))

- 2015-2016 Responsible of the research unit of the Università' della Calabria in the project funded by Selex Es (I): "SIGMA-Design of antennas for Ka band Satcom Terminal
- 2014-2017 Work Package Leader in the Project funded by the European Community (FP7 program): "DIFFERENT-Digital beam forming for multi-static space-borne synthetic aperture radars" (in collaboration with: German Space Agency (DLR) (D), Silicon Radar (D), IHP (D), Innovative Solution In Space - ISIS (NL), Evatronix (PL))
- 2011-2014 Responsible of the research unit of the Università' della Calabria in the project funded by the European Community (FP7 program): "FLEXWIN-Flexible Microsystem Technology for Micro and Millimeter Wave Antenna Arrays with Intelligent Pixels" (In partnership with: EADS (now Airbus) (D), University of Ulm (D), University of Surrey (UK), IHP(D))
- 2006 Scientific Coordinator of the project funded by the Italian Institution Regione Calabria - Survey of the sources of Electromagnetic pollution in Calabria. (in collaboration with SISEM (I))
- 2008 Responsible of the research unit of the Università' della Calabria in the project funded by the Italian Ministry of Research (PRIN program) – Substrate Integrated Waveguides for millimetre waves (In collaboration with the University of Pavia (I) and with the University of Perugia (I))
- 2004-2009 Responsible of the research unit of the Università' della Calabria in the project funded by the Italian Ministry of Research (297 program): "APRI-Ka: TX/RX flat antenna at Ka Band" (in collaboration with Space Engineering (I))
- 2002 – Responsible of the project funded by the Italian Ministry of Research (PON program): Establishment of a Laboratory for microwave and millimeter wave measurements.

Publications

<https://www.scopus.com/authid/detail.uri?authorId=7005604459>

Cosenza 07/10/2021

A handwritten signature in blue ink, appearing to read 'G. Amolun', with a long horizontal stroke extending to the right.

http://orcid.org/0000-0002-2022-1113	Susanna Cappello	Italian Citizenship
Present position	Researcher at CNR - ISTP Institute for Plasma Science and Technology Seconded to Consorzio RFX Head of the Plasma Theory and Advanced Simulation group	
Address		
e-mail	susanna.cappello@cnr.it	

GENERAL context – CNR and Consorzio RFX (CRFX)

The research activities in the field of magnetically confined fusion plasmas develop at ISTP-Padova within Consorzio RFX. Consorzio RFX (CRFX) was founded in 1996 in continuity with the Fusion Research activity started in Padova since 1958 (ionized gases and Reversed Field Pinch configuration in particular). As research institutions, Consorzio RFX presently involves CNR, ENEA, INFN and Padova University. Activities and collaborations articulate in the framework of international projects, mainly EUROfusion program, and International Thermonuclear Experimental Reactor (ITER) project. Since 2005, CRFX started the construction of the 1MV Neutral Beam Test Facility for the ITER device, a major enterprise. It also contributes to the DTT project, the Italian Divertor Tokamak Test Facility, at ENEA Frascati, aiming at addressing the issue of power exhaust in future Fusion Reactors.

RESEARCH - keywords

Magnetohydrodynamic (MHD) theory and numerical modeling for fusion plasmas.

Magnetic confinement in toroidal pinches.

Plasma self-organization and transport processes, 3D nonlinear MHD, Reversed Field Pinch plasmas.

Development, verification, validation and exploitation of advanced numerical tools for fusion plasmas.

RESEARCH Experience

My research activity has been devoted to theoretical and advanced simulation studies of fusion plasmas, starting from the Reversed Field Pinch configuration, RFP, pursued in the world-class medium-size RFX experiment hosted in Padova. The RFP is an alternative concept, which involves minor resources in the fusion community, yet the configuration share and synergize on several physics and technological challenges, common to the leading configurations Tokamak and Stellarator. My expertise mainly developed in the macroscopic magnetofluid modeling of fusion plasmas.

My scientific activity have produced important contributions published in major journals and invited at the relevant conferences and scientific venues. The most relevant ones were the original theoretical results on the helical self-organization processes exhibited afterwards in RFX high current experiments. In addition, the contributions to disclose fundamental aspects of the dynamo effect in the RFP, with impact on the understanding of hybrid tokamak scenarios and astrophysics systems, are to be remarked. This activity provided the main foundations of the Plasma Theory and Advanced Simulations Group of Consorzio RFX, which has been growing during the last twenty years.

Positions and roles

2007 – Present Head of Plasma Theory and Advanced Simulation Group of Consorzio RFX

2001 – Present CNR- Researcher (formerly CNR-IGI, presently CNR-ISTP)

1996 – Present Secondment to Consorzio RFX

1991-96 1996-2001 CNR Researcher

Abilitazione Scientifica Nazionale

2016 02/B2 – FISICA TEORICA DELLA MATERIA - I Fascia 2018-2027 <https://asn16.cineca.it/pubblco/miur/esito-abilitato/02%252FB2/1/5>

2012 02/B2 – FISICA TEORICA DELLA MATERIA - II Fascia 2013-2022 <https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/02%252FB2/fascia/2>

Grants

1990 – 1991 Grant EURATOM Research at Max Plank Intitut MPI-IPP – Garching - Muenchen

1989 – 1990 *Borsa di Studio Società Italiana di Fisica "Fisica del Plasma e tecnologie della Fusione"* – Padova Universit

1988 – 1989 Corso di Perfezionamento in *Ingegneria del Plasma e della Fusione Termonucleare Controllata* (Padova University, *Facoltà di Ingegneria*). *Borsa di studio Istituto Veneto di Lettere Scienze ed Arti.*



Laurea in Fisica (vecchio ordinamento) Padova University (full score) AY 1986/1987

Teaching and Tutoring

AY 2003/4	Teaching "Teoria dei plasmi caldi" Master annuale di secondo livello in "Ingegneria e Fisica dei Plasmi", Centro Interdipart. "Centro Ricerche Fusione" Università di Padova - Facoltà di Ingegneria
AY 2004/5	
AY 2005/6	
AY 2006/7	
1999-present	Supervisor/Tutor/ Rapporteur: Laurea Magistrale (2), Laurea Triennale (1), PhD (3), PhD Rapporteur (Université Lyon - Fr)

Summary of SCIENTIFIC PRODUCTION AND ACTIVITY

WOS H-index: 28

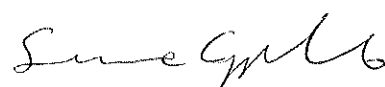
- Authorship:
 - 70+ research papers in international journals (8 Physical Review Letters, 1 Nature Physics, most of the others in Q1 journals Nuclear Fusion, Plasma Physics Controlled Fusion, Physics of Plasmas).
 - 100+ contributions at international conferences.
- **Personal invited talks, keynotes and lectures at international conferences:**
 - 2022 International Congress Plasma Physics – expected in November 2022 - Gyeongju, (Korea)
 - 2020 Asia Pacific Physical Societies - Division Plasma Physics – e-conference,
 - 2019 European Fusion Theory Conference – Ghent (Belgium),
 - 2019 Festival de Théorie Aix en Provence (France),
 - 2018 Asia Pacific Physical Societies - Division Plasma Physics – Kanazawa (Japan),
 - 2017 Max Plank Princeton Plasma Physics Centre Workshop – Greifswald (Germany),
 - 2017 International RFP Workshop - Kyoto Institute of Technology – Kyoto (Japan)
 - 2016 Asia Pacific Transport Working Group Meeting – Seoul (Korea),
 - 2015 Wilhelm & Else Heraeus (WEH) Seminar: Stochasticity in Fusion plasmas – BadHonnef (Germany).
 - 2015 Festival de Théorie Aix en Provence (France),
 - 2013 1st FisMat2013 Fisica della Materia – Milano (Italy),
 - 2013 Festival de Théorie Aix en Provence (France),
 - 2008 Theory of fusion plasmas - Varenna-Lausanne Workshop (Italy),
 - 2007 Festival de Théorie Aix en Provence (France),
 - 2005 American Physical Society –DPP- Denver (Co, USA),
 - 2004 European Physical Society – London (UK),
 - 2003 Festival de Théorie Aix en Provence (France),
 - 2001 European Fusion Theory Conference – Elsinore (Denmark),

SERVICES - SCIENTIFIC COMMITTEES

2020	Scientific Program Committee member - International Congress Plasma Physics (ICPP).
2017-2018	Chair of Scientific Program Committee - International Congress Plasma Physics (ICPP).
2006 - Present	IAC member (International Advisory Committee) - International Congress Plasma Physics (ICPP).
2012	Program Committee member - European Physical Society Conference on Plasma Physics (EPS)
2001-2007	Scientific Committee member of the European Fusion Theory Conference (EFTC).

MEMBERSHIP IN SCIENTIFIC SOCIETIES

2018 – Present	Association of Asia Pacific Physical Societies - Division Plasma Physics
2001 – Present	American Physical Society (APS)



SOME PUBLICATIONS, 6 most recent & a few older ones

1. Di Giannatale, Bonfiglio, **Cappello**, Chacón, Veranda, "Prediction of temperature barriers in weakly collisional plasmas by a Lagrangian coherent structures computational tool" Nucl. Fus. (2021) <https://doi.org/10.1088/1741-4326/abfcdf>
2. Veranda, **Cappello**, Bonfiglio, Escande, Kryzhanovskyy, "Magnetic reconnection in three-dimensional quasi-helical pinches" *RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI* (2020) DOI: 10.1007/s12210-020-00944-4
3. Veranda, Bonfiglio, **Cappello**, Di Giannatale and Escande, "Helically self-organized pinches: dynamical regimes and magnetic chaos healing", Nucl. Fus. 60 016007 (2020) <https://doi.org/10.1088/1741-4326/ab4863>
4. Pegoraro F., Bonfiglio, **Cappello**, Di Giannatale, Falessi, Grasso, Veranda, Plas. Phys. Contr. Fus. 57 085004 (2019) "Coherent magnetic structures in self-organized plasmas" <https://doi.org/10.1088/1361-6587/ab03b5>
5. Bonfiglio, Veranda, **Cappello**, Escande and Chacón, Plasma Phys. Control. Fusion 59 014032 (2017) "Sawtooth mitigation in 3D MHD tokamak modelling with applied magnetic perturbations", <https://iopscience.iop.org/article/10.1088/0741-3335/59/1/014032/meta>
6. Piovesan, Bonfiglio, Cianciosa, et al Nucl. Fus. 57 076014 (2017) "Role of a continuous MHD dynamo in the formation of 3D equilibria in fusion plasmas" <https://doi.org/10.1088/1741-4326/aa700b>

Lorenzini et al, Nature Physics 5, 570 (2009) <https://www.nature.com/articles/nphys1308>
 "Self-organized helical equilibria as a new paradigm for ohmically heated fusion plasmas",

Cappello, Bonfiglio, Escande, Guo, Alfier, Lorenzini and RFX Team Theory Fusion Plasmas (2008)
 "The Reversed Field Pinch toward magnetic order: a genuine self-organization",

Spizzo, **Cappello**, Cravotta, Escande et al, Physical Review Letters 96, 025001 (2006)
 "Transport barrier inside the reversal surface in the chaotic regime of the reversed-field pinch",

Bonfiglio, **Cappello**, Escande, Physical Review Letters 94 145001 (2005)
 "Dominant electrostatic nature of the reversed field pinch dynamo",

Piovesan, Craig, Marreli, **Cappello**, Martin, Physical Review Letters 93 235001 (2004)
 "Measurements of the MHD Dynamo in the Quasi-Single-Helicity Reversed-Field Pinch",

Escande, Paccagnella, **Cappello**, Marchetto, D'Angelo, Physical Review Letters 85 3169 (2000)
 "Chaos healing by separatrix disappearance and quasi-single helicity states of the reversed field pinch",

Cappello & Escande, Physical Review Letters 85 3838 (2000)
 "Bifurcation in viscoresistive MHD: the Hartmann number and the RFP",

Cappello & Biskamp, Nuclear Fusion, 36 571 (1996)
 "Reconnection processes and scaling laws in Reversed Field Pinch Magnetohydrodynamics",

Cappello & Paccagnella, Physics of Fluids B 4, 611 (1992)
 "Nonlinear plasma evolution and sustainment in the reversed field pinch",



CV Andrea Pisent

First name	Andrea
Surname	Pisent
Beneficiary	INFN
Current job title	
e-mail	Andrea.pisent@lnl.infn.it

Highest education level (BSc, MSc, PhD):

High school, Liceo classico 1981 (60/60)

University: Degree in Physics at Padova University in 1986 with thesis in theoretical Accelerator Physics (110/110 cum laude).

Post doc at Karlsruhe University and at Los Alamos (University of California); CERN fellow.

Relevant work experience in the related Work Package area:

Since 1990 at INFN Legnaro National Laboratory, since 2008 as Dirigente Tecnologo, leads the Beam Physics group.

Responsible for:

- beam dynamics and commissioning of CERN Linac3 low energy part (built by INFN LNL).
- Beam dynamics and commissioning of PIAVE superconducting RFQ at LNL.
- Construction of TRASCO RFQ (high intensity proton) and MUNES neutron source study at INFN LNL.
- Construction ESS drift tube linac (Italian in kind contribution)
- Construction of IFMIF EVEDA RFQ (high intensity deuterons) as Italian in kind contribution
- Professor of Accelerator Physics as Professore a contratto) at Padova University (undergraduate and PHD) for many years.
 - Coordinates INFN in-kind contribution to ESS ERIC.
- Member of the scientific board of the PHD in Accelerator Physics at the University La Sapienza in Rome, member of the CTS of RFX Consortium in Padova.

Any other relevant information:

Coordinator of the WU RFQ for WPENS

<https://scholar.google.com/citations?user=F68uxfsAAAAJ&hl=it&oi=ao>

Major relevant publications (last 5 years):

1. Knaster, Juan 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" Nuclear Fusion, (55.0) 8.0 p. 86003 (2015), IOP Publishing
2. Comunian, Michele et al. " RIB Transport and Selection for the SPES Project" 6th Int. Particle Accelerator Conf.(IPAC'15), Richmond, VA, USA, May 3-8, 2015, (nan) nan p. 3782-3784 (2015), JACOW, Geneva, Switzerland
3. Ferrari, Luigi et al. " Thermo-Mechanical Calculations for the SPES RFQ" 13th Heavy Ion Accelerator Technology Conference (HIAT2015), Yokohama, Japan, 7-11 September 2015, (nan) nan p. 219-221 (2016), JACOW, Geneva, Switzerland
4. Comunian, Michele et al. " The project SPES at Legnaro National laboratories" 13th Heavy Ion Accelerator Technology Conference (HIAT2015), Yokohama, Japan, 7-11 September 2015, (nan) nan p. 156-159 (2016), JACOW, Geneva, Switzerland



5. Mereu, Paolo et al. " ESS DTL Mechanical Design and Prototyping." Proc. IPAC'16, (nan) nan p. 2131-2133 (2016), nan
6. Mereu, Paolo et al. " Mechanical integration of the IFMIF-EVEDA radio frequency quadrupole" 7th Int. Particle Accelerator Conf.(IPAC'16), Busan, Korea, May 8-13, 2016, (nan) nan p. 3712-3714 (2016), JACOW, Geneva, Switzerland
7. Comunian, Michele et al. " IFMIF-EVEDA RFQ, Measurement of Beam Input Conditions and Preparation to Beam Commissioning" Proc. HB, (nan) nan p. 338 (2016), nan
8. Fagotti, Enrico et al. " Status of IFMIF-EVEDA RFQ" Proc. RuPAC, (nan) nan p. 51 (2016), nan
9. Pisent, Andrea et al. " Towards commissioning of the IFMIF RFQ" LINAC 2016 (East Lansing, USA,), (nan) nan p. nan (2016), nan
10. Fagotti, Enrico et al. " Preparation and installation of IFMIF-EVEDA RFQ at Rokkasho site" 28th Linear Accelerator Conf.(LINAC'16), East Lansing, MI, USA, 25-30 September 2016, (nan) nan p. 1005-1007 (2017), JACOW, Geneva, Switzerland
11. Palmieri, Antonio et al. " Tuning the IFMIF 5MeV RFQ accelerator" Proc. LINAC'16, (nan) nan p. 969 (2016), nan
12. Bellan, Luca et al. " Source and LEBT beam preparation for IFMIF-EVEDA RFQ" 28th Linear Accelerator Conf.(LINAC'16), East Lansing, MI, USA, 25-30 September 2016, (nan) nan p. 420-423 (2017), JACOW, Geneva, Switzerland
13. Comunian, Michele et al. " ESS DTL Beam Dynamics Comparison Between S-Code and T-Code" 28th Linear Accelerator Conf.(LINAC'16), East Lansing, MI, USA, 25-30 September 2016, (nan) nan p. 411-413 (2017), JACOW, Geneva, Switzerland
14. Comunian, Michele et al. " Commissioning Plans for the ESS DTL" 28th Linear Accelerator Conf.(LINAC'16), East Lansing, MI, USA, 25-30 September 2016, (nan) nan p. 264-266 (2017), JACOW, Geneva, Switzerland
15. Ferrari, Luigi et al. " RF-Mechanical Design and Prototyping of the SPES RFQ" 8th Int. Particle Accelerator Conf.(IPAC'17), Copenhagen, Denmark, 14â 19 May, 2017, (nan) nan p. 4166-4168 (2017), JACOW, Geneva, Switzerland
16. Mauro, Giorgio et al. " Field uniformity preservation strategies for the ESS DTL: approach and simulations" 8th Int. Particle Accelerator Conf.(IPAC'17), Copenhagen, Denmark, 14â 19 May, 2017, (nan) nan p. 4139-4141 (2017), JACOW, Geneva, Switzerland
17. Mereu, Paolo et al. " Thermo mechanical study of the ESS DTL" 8th Int. Particle Accelerator Conf.(IPAC'17), Copenhagen, Denmark, 14â 19 May, 2017, (nan) nan p. 4537-4539 (2017), JACOW, Geneva, Switzerland
18. Fagotti, Enrico et al. " Installation and Low Power Test of IFMIF-EVEDA RFQ at Rokkasho Site" 8th Int. Particle Accelerator Conf.(IPAC'17), Copenhagen, Denmark, 14â 19 May, 2017, (nan) nan p. 4162-4165 (2017), JACOW, Geneva, Switzerland
19. Bolzon, Benoit et al. " Intermediate Commissioning Results of the 70 mA/50 keV H⁺ and 140 mA/100 keV D⁺ ECR Injector of IFMIF/LIPAC" 7th Int. Particle Accelerator Conf.(IPAC'16), Busan, Korea, May 8-13, 2016, (nan) nan p. 2625-2627 (2016), JACOW, Geneva, Switzerland
20. Chel, S et al. " The linear IFMIF prototype accelerator (LIPAC) design development under the European-Japanese collaboration" nan, (nan) nan p. nan (2016), nan
21. Bolzon, Benoit et al. " Intermediate commissioning results of the required 140 mA/100 keV CW D⁺ ECR injector of LIPAc, IFMIF's prototype" Proceedings of ECRIS2016 (WECO01), Busan, South Korea, (nan) nan p. nan (2016), nan
22. Shinya, Takahiro et al. " Status of the RFQ linac installation and conditioning of the Linear IFMIF Prototype Accelerator" Nuclear Materials and Energy, (15.0) nan p. 143-147 (2018), Elsevier
23. Comunian, Michele et al. " Beam dynamics simulation and measurements for the IFMIF/EVEDA project" 61st ICFA ABDW on High-Intensity and High-Brightness Hadron Beams (HB'18), Daejeon, Korea, 17-22 June 2018, (nan) nan p. 210-214 (2018), JACOW Publishing, Geneva, Switzerland



24. Fagotti, Enrico et al. " Beam commissioning of the IFMIF EVEDA very high power RFQ" 9th Int. Particle Accelerator Conf.(IPAC'18), Vancouver, BC, Canada, April 29-May 4, 2018, (nan) nan p. 2902-2907 (2018), JACOW Publishing, Geneva, Switzerland
25. Bellan, Luca et al. " Beam Dynamics of the First Beams for IFMIF-EVEDA RFQ Commissioning" 9th Int. Particle Accelerator Conf.(IPAC'18), Vancouver, BC, Canada, April 29-May 4, 2018, (nan) nan p. 3246-3248 (2018), JACOW Publishing, Geneva, Switzerland
26. Comunian, Michele et al. " Beam Dynamic Simulation for the Beam Line from Charge Breeder to ALPI for SPES Project" 9th Int. Particle Accelerator Conf.(IPAC'18), Vancouver, BC, Canada, April 29-May 4, 2018, (nan) nan p. 3255-3257 (2018), JACOW Publishing, Geneva, Switzerland
27. Bellan, L et al. " Self-Consistent potential in high intensity deuteron beams simulations and measurements" AIP Conference Proceedings, (2011.0) 1.0 p. 80013 (2018), AIP Publishing LLC
28. Sugimoto, M et al. " Overview of the Validation Activities of IFMIF/EVEDA: LIPAc, the Linear IFMIF Prototype Accelerator and Lifus 6, the Lithium Corrosion Induced Facility" Preprint, (nan) nan p. 2020-03-03 00:00:00 (2018), nan
29. Chauvin, N et al. " Deuteron Beam Commissioning of the Linear IFMIF Prototype Accelerator Source and LEBT" Proc. 27th IAEA Fusion Energy Conf., Gandhinagar, India, (nan) nan p. nan (2018), nan
30. Sargsyan, Edgar et al. " ESS Normal Conducting Linac Status and Plans" 29th Linear Accelerator Conf.(LINAC2018), Beijing, China, (nan) nan p. nan (2018), nan
31. Mereu, Paolo et al. " Details of the Manufacturing Processes of the ESS-DTL Components" 29th Linear Accelerator Conf.(LINAC'18), Beijing, China, 16-21 September 2018, (nan) nan p. 260-263 (2019), JACOW Publishing, Geneva, Switzerland
32. Mereu, Paolo et al. " Design Details of the European Spallation Source Drift Tube LINAC" 29th Linear Accelerator Conf.(LINAC'18), Beijing, China, 16-21 September 2018, (nan) nan p. 190-192 (2019), JACOW Publishing, Geneva, Switzerland
33. Sugimoto, Masayoshi et al. " Progress report on LIPAc" presented from this work may be used under the terms, (nan) nan p. nan (2019), nan
34. Fagotti, Enrico et al. " IFMIF/EVEDA RFQ preliminary beam characterization" Proc. LINAC'18, (nan) nan p. 834-837 (2019), nan
35. Dima, Razvan et al. " IFMIF RFQ module characterization via mechanical and RF Measurements" nan, (nan) nan p. nan (2017), nan
36. Wittmer, Walter et al. " European Spallation Source (ESS) Normal Conducting Front End Status Report" 28th Linear Accelerator Conf.(LINAC'16), East Lansing, MI, USA, 25-30 September 2016, (nan) nan p. 274-276 (2017), JACOW, Geneva, Switzerland
37. Mauro, Giorgio S et al. " Analytical Method, based on Slater Perturbation Theorem, to Control Frequency Error when representing Cylindrical Structures in 3D Simulators" 2019 13th European Conference on Antennas and Propagation (EuCAP), (nan) nan p. 2020-04-01 00:00:00 (2019), IEEE
38. Shimosaki, Yoshito et al. " Lattice Design for 5MeV-125mA CW RFQ Operation in the LIPAc" nan, (nan) nan p. nan (2019), nan
39. Grespan, Francesco et al. " Tuning Experience on the ESS DTL Cold Model" 29th Linear Accelerator Conf.(LINAC'18), Beijing, China, 16-21 September 2018, (nan) nan p. 784-786 (2019), JACOW Publishing, Geneva, Switzerland
40. Baltador, Carlo et al. " High resolution mass separator dipole design studies for SPES project" Journal of Physics: Conference Series, (1401.0) 1.0 p. 12014 (2020), IOP Publishing
41. Comunian, Michele et al. " Status of the SPES Exotic Beam Facility" Journal of Physics: Conference Series, (1401.0) 1.0 p. 12002 (2020), IOP Publishing
42. Cavenago, M et al. " Development and installation of a radio frequency quadrupole cooler test" Review of Scientific Instruments, (90.0) 11.0 p. 113324 (2019), AIP Publishing LLC
43. Kondo, Keitaro et al. " Validation of the linear IFMIF prototype accelerator (LIPAc) in Rokkasho" Fusion Engineering and Design, (153.0) nan p. 111503 (2020), North-Holland



44. Shinya, Takahiro et al. " Integration of 175-MHz LIPAc RF System and RFQ Linac for Beam Commissioning" IEEE Transactions on Plasma Science, (nan) nan p. nan (2020), IEEE