Curriculum vitae
Prof. Francesca Soramel
04/03/25

Education

June 1980 - June 1981
Fellowship for Master degree students at Institute für KernPhysik (IKP), Kernforschungsanlage (KFA), Jülich, GERMANY

June 1981
Italian Master degree in Physics at Mathematical, Physical and Natural Sciences Faculty, University of Padua. Thesis "Spectroscopy of the $^{150}_{63}Eu^{87}$. Isomeric decays studies". Tutors: Prof. O.W.B Schult and Prof. C. Signorini

Work Experience

July 1981 - June 1982
Post-doctoral position at IKP-KFA, Jülich, GERMANY

May 1983 - December 1983
Fellowship at Centre de Spectromètrie Nuclèaire et de Spectromètrie de Masse (C.S.N.S.M.), Orsay, FRANCE

September 1983 - October 1992
Assistant Professor at the Mathematical, Physical and Natural Sciences Faculty, University of Padua, ITALY

September 1991 - September 1992
Guest scientist at Argonne National Laboratory, Argonne, Illinois, USA

November 1992 - February 2005
Associate Professor of General Physics at the Engineering Faculty, University of Udine, ITALY

February 2005 - September 2008
Full Professor of Experimental Physics at the Engineering Faculty, University of Udine, ITALY
Since October 2008
Full Professor of Experimental Physics, University of Padua, ITALY

Responsibility and Management Roles

October 2003 - September 2008
Member of the Executive Board of the Engineering Faculty, University of Udine, ITALY

February 2004 - September 2006
Responsible of the Orienteering and Tutoring programs of the Engineering Faculty, University of Udine, ITALY

October 2006 - September 2008
Deputy Director of the Engineering Faculty, University of Udine, ITALY

November 2008 - December 2011
Coordinator of the Teaching Committee - Physics Department, University of Padua, ITALY

December 2009 - December 2011
Deputy Director of the Physics Department, University of Padua, ITALY

January 2012 - September 2019
Head of the Physics and Astronomy Department, University of Padua, ITALY

January 2014 - January 2015
Member of the Independent Evaluation Unit (Nucleo di Valutazione) of the University of Udine, ITALY

October 2014 - September 2019
Member of the Senato Accademico of the University of Padua, ITALY

January 2017 – July 2023
Member of the Executive Board of con.Scienze (Italian National Conference of Science Faculties) as one of the two delegates of Physics Department Directors

January 2018 - December 2022
PI of the project “Physics of the Universe” - national call “Dipartimenti di eccellenza” based at the Physics and Astronomy Department, University of Padua, ITALY

January 2019 - ongoing
Member of the Faculty Board of the PhD in Physics, University of Padua, ITALY

November 2020 – October 2024
Coordinator of the Independent Evaluation Unit (Nucleo di Valutazione) of SISSA (Scuola Internazionale Superiore di Studi Avanzati), ITALY (two appointments, two years each)

December 2020 – December 2022
Member of the Commission for the Supervision of Teaching Quality (CPQD), one of the three entities forming the University Quality Assurance Committee, University of Padua, ITALY

December 2020 - ongoing
Scientific Coordinator of SPES project at LNL, INFN, Legnaro (Padua), ITALY

January 2023 - December 2025
Member of the Independent Evaluation Unit (Nucleo di Valutazione) of University of Padua, ITALY

June 2024 - ongoing
Selected as member of GEV 2 (Physics Area) for the VQR-2020-2024

Description of Research, teaching and managing activities

My research activity has been carried out in the framework of the projects funded by the National Institute for Nuclear Physics (INFN); in particular, I have been involved in fundamental nuclear physics research programs.

Initially, my main field has been the in-beam gamma spectroscopy of nuclei in the rare earth region, then I moved towards studies of the nuclear reaction mechanism between two interacting nuclei at energies close to the Coulomb barrier.
In both fields I have been primarily involved in nuclear structure studies performed using a mass spectrometer to identify proton emitting nuclei and to study the nuclear reaction mechanism involving radioactive beams with halo structure.

The wide variety of the research activity I've been involved in, together with the experience acquired during the long term appointments at foreign laboratories, has allowed me to develop a deep knowledge of the scientific and technical problems of low energy nuclear physics, in particular I've acquired a specific knowledge of the experiments performed with mass spectrometers like the Recoil Mass Spectrometer of the Legnaro National Laboratory (LNL-INFN-ITALY) or the Fragment Mass Analyzer (FMA) of the Argonne National Laboratory (ANL-USA).

I've been national spokesperson for the INFN experiment IRIS (1996-2000) devoted to the study of proton emitting nuclei.

As a natural evolution of this field of research I joined the EXOTIC collaboration. EXOTIC is the very first apparatus for the selection of non-reaccelerated radioactive beams at LNL. I took part in the development and commissioning of the apparatus and in the experiments performed with it.
The EXOTIC experience had a natural continuation in nuclear astrophysics experiments, some of which are performed at the LNL EXOTIC facility. I am actually involved in this research program with the experiment ASFIN2.

Another topic to which I devoted part of my activity is connected to relativistic energy nuclear physics, namely the CERN experiments NA57 and ALICE. Both experiments aim to study the Quark Gluon Plasma (QGP) state of the matter. My contribution to NA57 experiment was mainly concentrated in the data collection during the runs and in the pre-analysis of the data.
For what concerns ALICE (A Large Ion Collider Experiment), I have been involved in the construction of the most inner part of the Inner Tracking System (ITS), i.e. the Silicon Pixel Detector (SPD). In particular, I have been involved in the determination of the assembly procedure of the detector and I have tutored three Master Degree and one PhD thesis for the study of the mechanical and thermal stresses that the SPD may undergo. Currently, I am still involved in ALICE.

From January 2018 to December 2022 I was PI of the "Dipartimenti di eccellenza" project, named Physics of the Universe, based at the Physics and Astronomy Department of the University of Padua. The five year project, funded by the Italian Ministry for University and Research (MUR), had 9.35 M€ budget and was assigned to five Physics Departments all over Italy following a national call.

Since December 2020 I am Scientific Coordinator of the SPES project at LNL-INFN. SPES is a new accelerator that will deliver radioactive beams devoted to fundamental and applied nuclear physics

research. The accelerator complex will be available to the international community, and the first beams are foreseen in late 2024.

I have been member of several Organizing Committees of international Conferences and Workshops and, in some cases, editor of the Proceedings.
I spent quite a bit of time (3.5 years) working in foreign Laboratories (Germany, France, United States) developing specific competencies and skills.
I am co-author of more than 650 publications in refereed international journals with about 25000 citations, without self-citations. Nowadays my h-index is 95 (ISI – WoS, January 2025).

My teaching activity has been mainly devoted to teach General Physics to Engineering and Medicine students. I have mentored and supervised some Master degree and PhD students. I have been teaching part of a PhD course (10 hours) to the Physics PhD students at Padua University for few years.

Concerning management experience, I was Deputy Director of the Engineering Faculty at the University of Udine for two years. I had the responsibility of the teaching organization of the whole Faculty; in particular, I was in charge of guiding the actions aimed at applying the Bologna Process to the first and second level degree courses (Italian law decree 270/04). I joined the group that, at National level, took care of all the aspects of this process for the Engineering courses. I resigned from this role when I moved to Padua University.

At Padua University, I was first chairing the Teaching Committee of the Physics Department. The Committee manages the teaching duties of the whole Department, i.e. agreements with professors for their teaching duties and management of Physics courses in all the degrees of the University of Padua (more than 10000 hours of teaching in 7 different Faculties serving more than 5000 students). I covered this role until the end of 2011.
At the end of 2009 I was appointed as Deputy Director of Physics Department in Padua. I cooperated to the management of the Department, I had the responsibility on the management of the teaching duties of the whole Department, I coordinated the first National Research Evaluation Process at the Department level. I was Director's delegate for the relations with the Engineering Faculty of the University of Padua. I had this role until the end of 2011.

From January 2012 I was appointed as Director of the new Physics and Astronomy Department at the University of Padua. The Department, resulting from the merge of pre-existing Physics and Astronomy Departments, is one of the largest Departments in the field of Physics in Europe. The Department had almost 200 employees (130 faculty members and 70 technical and administrative staff members), 70 postdocs, 80 graduate students, about 1000 first and second level degree students in Physics, Astronomy and Optics and Optometry. I was in charge of each aspect of the Department life: research, teaching, stake-holders connections, safety, daily life and inconveniences. I served as Director for two mandates until the end of September 2019.
During the two mandates (4 years each) I personally coordinated two National Research Evaluation Processes. In both of them the Department turned out to be the first one at National level among the large Physics Departments.
I have been representative of Department Directors in the Academic Senate of the University of Padua (October 2014-September 2019).

In 2013 I entered in the list of disciplinary experts for the assessment process (CEV) of ANVUR after following dedicated courses. A CEV takes part into the evaluation process of Universities finalized to the accreditation of the Institution itself.

From January 2014 to January 2015 I was member of the Independent Evaluation Unit (Nucleo di Valutazione) of the University of Udine, role from which I resigned due to the incompatibility with being a member of the Senato Accademico of the University of Padua. Inside the Evaluation Unit I oversaw the aspects related to Teaching.

Since January 2017 I was selected as member of the Executive Board of con.Scienze (Italian National Conference of Science Faculties) as one of the two delegates of the Italian Physics Departments Directors. The role implies coordination of the Physics area, especially for what concerns teaching, examination of new laws decrees and advices to CUN (Consiglio Universitario Nazionale).
My appointment ended in July 2023.

From November 2020 to October 2024 I was Coordinator of the Evaluation Unit (Nucleo di Valutazione) of the Scuola Internazionale Superiore di Studi Avanzati (SISSA). The Unit has to assess the different activities performed by SISSA in the fields of research, teaching and technology transfer. The appointment (2 years) has been renewed recently for two more years. No further renew is foreseen.

From December 2020 to December 2022 I have been member of the Commission for the Supervision of Teaching Quality (CPQD) of the University of Padua as representative of Science School. The Commission takes care of examining all the aspects related to the Teaching Quality (students' opinions, new courses, performance of the existing courses, quality assurance processes inside the courses, etc.).

Since January 2023 I am member of the Evaluation Unit (Nucleo di Valutazione) of the University of Padua. The Unit has to assess the different activities performed by University of Padua in the fields of research, teaching and technology transfer. The appointment is for 3 years.

At present, I am a member of the GEV 2 (Physics) for the evaluation process VQR-2020-2024 of the Italian research institution (Universities and Research Institutes).

List of publications

I A list of publications may be found at https://inspirehep.net/authors/1068738?ui-citationsummary=true

Padua, March 4th 2025 Francesca Soramel

Italiano

FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome	**MODANESE PAOLO**
Nazionalità	Italiana

ESPERIENZA LAVORATIVA

• Date (da – a)	**DA 01 LUGLIO 2020 AD OGGI**
• Nome e indirizzo del datore di lavoro	INFN – Laboratori Nazionali di Legnaro
• Tipo di azienda o settore	Ricerca
• Tipo di impiego	Tecnologo
• Principali mansioni e responsabilità	**Responsabile della Divisione Tecnica e dei Servizi Generali**. Coordino le attività dei Servizi che afferiscono alla Divisione e che gestiscono gli impianti tecnologici e le infrastrutture dei laboratori e che svolgono attività di manutenzione ordinaria e straordinaria. Collaboro con i Servizi nella progettazione e sviluppo di nuovi impianti a supporto degli apparati e dei progetti di ricerca. Supervisiono e prendo in carico come RUP la gestione di gare per i Lavori e Servizi/Forniture a servizio dei Laboratori
• Date (da – a)	**DA 2006 – AL 2020**
• Nome e indirizzo del datore di lavoro	INFN – Laboratori Nazionali di Legnaro
• Tipo di azienda o settore	Ricerca
• Tipo di impiego	Tecnologo
• Principali mansioni e responsabilità	**Responsabile del Servizio Criostati e Impianti Criogenici.** Dal 2006, quando era ancora in quadrato come reparto poi nominato Servizio nel 2012, ho gestito e programmato le attività di manutenzione e refurbishment degli impianti afferenti al Servizio coordinando l'attività di 4 tecnici specializzati. Tra i progetti più importanti, ho coordinato il rinnovo di tutti i sistemi di controllo degli refrigeratori criogenici ALPI e PIAVE e dell'acceleratore superconduttivo LINAC secondo lo standard UNICOS-CERN. Ho svolto inoltre l'incarico di Responsabile Unico di Procedimento di numerose gare di forniture e servizi.
• Date (da – a)	**DA 2004 – AL 2009**
• Nome e indirizzo del datore di lavoro	INFN – Laboratori Nazionali di Legnaro
• Tipo di azienda o settore	Ricerca
• Tipo di impiego	Tecnologo a tempo determinato
• Principali mansioni e responsabilità	**Operazione e gestione criostato SRFQ PIAVE:** Ho coordinato l'operazione e la manutenzione ordinaria e straordinaria dei criostati per le cavità SRFQ e QWR di PIAVE e del refrigeratore criogenico Linde TCF50
• Date (da – a)	**DA 2000 – AL 2004**
• Nome e indirizzo del datore di lavoro	INFN – Laboratori Nazionali di Legnaro

• Tipo di azienda o settore	Ricerca
• Tipo di impiego	C-TER tempo determinato
• Principali mansioni e responsabilità	Incarico di supervisione e supporto alle attività di allestimento nuovo criostato superconduttivo SRFQ e del refrigeratore criogenico Linde TCF50 del progetto PIAVE. Sotto la direzione del capoprogetto PIAVE ho seguito il team per l'allestimento del nuovo criostato. Ho dato inoltre supporto al reparto di manutenzione criostati del LINAC di ALPI per le attività di upgrade delle cavità con la tecnologia Niobium Sputtering.

ISTRUZIONE E FORMAZIONE

• Date	**08/11/2021**
• Nome e tipo di istituto di istruzione o formazione	Iscrizione Albo degli ingegneri di Padova
• Date	**2006 (A.A. 2004-2005)**
• Nome e tipo di istituto di istruzione o formazione	Università degli Studi di Padova
• Principali materie / abilità professionali oggetto dello studio	Master (II liv.) Trattamenti di Superficie Applicati a Tecnologie Meccaniche innovative per l'Industria
• Date	**14 settembre 1999**
• Nome e tipo di istituto di istruzione o formazione	Università degli Studi di Padova
• Principali materie / abilità professionali oggetto dello studio	Ingegneria Meccanica
• Qualifica conseguita	Dottore in Ingegneria Meccanica

Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell'art. 13 GDPR

Formato europeo per il CV

INFORMAZIONI PERSONALI

Nome	PEGORARO LUISA
Nazionalità	
Luogo e data nascita	

ESPERIENZA LAVORATIVA

Date dal/al	01/12/1998 ad oggi
Datore di Lavoro	INFN Laboratori Nazionali di Legnaro
Tipo di settore	Ricerca
Tipo di impiego	Funzionario di amministrazione IV^ liv.- II fascia- assegnata al Servizio di Direzione
Principali Mansioni e Responsabilità	Segreteria di Direzione: Componente di commissioni di Concorso e selezioni a tempo a TD e TI, Segreteria Comitato Scientifico PAC; gestione e organizzazione attività di comunicazione scientifica locale e di Terza Missione (CC3M); Sono coinvolta nelle sigle di CC3M PID e Premio ASIMOV (responsabile locale); mi occupo della gestione tirocini studenti Universitari e delle scuole con iniziativa Stage dei LNL. Ho seguito la gestione delle procedure di accreditamento dei LNL come Ente di Formazione Superiore presso la Regione Veneto.

ESPERIENZA LAVORATIVA

Date dal/al	30/11/1998 al 2008
Datore di Lavoro	INFN-LNL
Tipo di settore	Ricerca
Tipo di impiego	Segreteria di Direzione
Principali Mansioni e Responsabilità	Gestione Comitati Scientifici dei LNL. Fino al 2002 mi sono occupata procedure amministrative e di gestione dell'orario di lavoro del personale dipendente del personale universitario afferente ai LNL. Ho seguito la gestione amministrativa contratti di ricerca dell'UE relativi al IV -V- VI Programma Quadro europei connessi all'accesso transnazionale di utenti UE presso gli acceleratori dei LNL. In particolare, nel VI programma Quadro (contratto Eurons dal 2005 al 2008) ho ricoperto la Responsabilità di *Financial Officer*.

ESPERIENZA LAVORATIVA

Date dal/al	02/09/1996 al 30/11/1998
Datore di Lavoro	INFN LNL Coll. Amm, VII
Tipo di settore	Ricerca
Tipo di impiego	Segreteria Divisione Acceleratori, Segreteria di Direzione.

Principali Mansioni e Responsabilità	Organizzazione Workshop Superconductìvity Segreteria Laboratorio Superconduttività LNL, Prof. V. Palmieri

ISTRUZIONE	Laurea in Lingue e Letterature Straniere moderne Luglio 1996 conseguita presso l'Università di Padova (110L)

Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell'art. 13 GDPR

Luisa Pegoraro