

Marc Rousseau

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➤ Diplomas and professional experiences:

- **From 2023:** Full professor at « Université de Caen Normandie »
- **From 2002 to 2023:** Lecturer at « Université de Strasbourg »
- **April 2015:** Ability to conduct researches
- **June 2000 to September 2002:** Postdoc at « Surrey University »
- **December 2000:** PhD in nuclear physics « Study of the fusion process in the $^{28}\text{Si} + ^{28}\text{Si}$ and $^{28}\text{Si} + ^{12}\text{C}$ reactions: search for deformation effects in ^{56}Ni and ^{40}Ca compound nuclei. »

➤ research skill:

- Instrumental research & development for applied nuclear physics in the field of health.

➤ key words:

- Experimental nuclear physics, Instrumentation
- Irradiation platform development for radio-biology
- Dosimetry for preclinical studies

➤ Teaching activities

- Teaching general physics, nuclear physics, radiation-matter interaction, and instrumentation at the Physics Department of the University of Strasbourg and at the University of Caen.

➤ Scientific responsibilities:

- 2002-2015: Technical coordination of the Spiral2 project at IPHC.
- 2004-2010: Member of the “Spiral2 France” committee.
- 2006-2015: Head of the “Accelerator Instrumentation” team at IPHC.
- 2007-2011: Scientific coordinator for the CNRS of the LIA FJ-NSP “French-Japanese Associated Laboratory for Nuclear Structure Problems”.
- Since 2010: Member of GDR (research consortium) MI2B
- Since 2015: Member of the French Society for Radiation Biology
- 2016 to 2023: Scientific coordinator of the CYRCé platform at IPHC
- Since 2018: Scientific leader of the ResPlaNdIr network (Réseau des Plateformes Nationales d'Irradiation)
- 2018-2023: Member of the GDR MI2B steering committee
- 2022-2025: Scientific leader for CNRS of WP5 “infrastructure” in the European PianoForte project

➤ **Managerial and institutional activities:**

- 2008-2011: Member of the section 03 committee
- 2011-2015: Deputy Director of the IPHC.
- 2011-2015: Head of the Subatomic Research Department at IPHC.
- 2012-2015: Member of the board of the doctoral school ED 182 physics and physical chemistry
- 2015-2017: Head of the Department of Radiobiology Hadrontherapy and Molecular Imaging at IPHC.
- 2018-2023: Member of the IPHC scientific council.
- 2019-2024: Member of the IN2P3 scientific council.
- Since 2026: Member of the section 04 committee

➤ **Grants coordination:**

- National coordinator of the ANR PROVA (PROtotype for a Versatile γ -Array) for the R&D of the PARIS multidetector, 600 k€, from 01/2009 to 12/2012.
- Project leader of the CPER PRECy, for the development of an Experimental Radiobiology Platform at Cyrcé, 1M€ from 01/2015 to 12/2020.
- Scientific leader of ANR AGEING (Exploring the trAde-offs between telomere lenGthEnING and cellular costs as a vital component of healthy life histories in seasonal mammals), 135 k€, 48 months from March 2025.
- Scientific coordinator of the “Normandie accelerator” project to develop on line dosimetry system for industrial irradiations at GANIL, 590 k€, 36 months from June 2025.

➤ **Scientific and doctoral supervision:**

- 16 internship projects at Master's level
- 5 PhD students, 3 post-docs

➤ **Event organization:**

- 2011 “PARIS collaboration meeting” at the IPHC in January 2011.
- “ResPlaNdlr Days,” Strasbourg 2014, Dijon 2019, Strasbourg 2023.
- “12th International Colloquium on Fundamental and Applied Radiobiology” in Obernai, 2015.
- “IC3DDOSE” conference, Caen, 2026
- “COMET Radiation Testing in Normandy” conference, Caen, 2026 (80 participants)

➤ **Publications:**

- 103 publications in peer-reviewed journals
- Guest Lectures:
 - April 2026: “Hadrontherapy in France: New Prospects Opened by the Arrival of the C400,” RITS 2026, Strasbourg
 - June 2026: “Advance Beam Delivery for Flash and SFRT: From Preclinical Studies to Clinical Practice,” PTCOG 26, Deauville