

Scientific Council of IN2P3

July 8-9, 2025

Introduction to the Scientific Evaluation Session

Topic :

Researches related to health at IN2P3

- ▶ New member: [Régis Terrier \(APC\)](#).
- ▶ CS-IN2P3 website update: <https://www.in2p3.cnrs.fr/fr/le-conseil-scientifique-de-lin2p3>
 - Scientific reviews: project descriptions, oral presentations, videos, scientific evaluation report.
 - Other recent works:
 - Opinion on the Interdisciplinary Sections of CNRS for the mandate 2025-2029.
 - CS-IN2P3 & Section 01's joint response to the CNRS CEO's consultation on the scientific policy.
Also on <https://section01.in2p3.fr/2025/06/18/reponse-csi-section01>.

- ▶ Health at IN2P3 → cancer treatment using radiotherapy techniques
 - Hadrontherapy
 - Targeted radiotherapies: alpha-therapy, Boron neutron capture therapy, ...
 - FLASH-RT and micro-beam therapies
 - Instrumental developments: beam and on-line monitoring, dosimetry, imaging, ...
 - Production and characterisation of radionuclides
 - Irradiation facilities
 - Fundamental nuclear and radiolysis data measurements
 - Modelling and simulation of the effects of radiations on living organisms
 - ...
- ▶ Previous reviews by IN2P3 Scientific Council on related topics:
 - Nuclear physics and health: June 2015.
 - Irradiation platforms accredited by IN2P3: Feb 2020.

- ▶ 2024 roadmap of health-related research at CNRS, see presentation by A.M. Gué.
- ▶ **On-going structuring of health-related research activities at IN2P3.**
 - Many projects ongoing at IN2P3.
 - Mainly supported by national and local calls for proposals.
- ▶ In parallel with the ongoing work within the GDR MI2B to propose future master-projects.
 - The [GDR MI2B](#) is a dedicated research network: see presentation by M.L. Gallin-Martel.
- ▶ Charge of the Scientific Council:
 - Not a scientific evaluation of the GDR MI2B. Nor of the ongoing master-project restructuring.
 - Detailed questions asked by the management: see presentation by J. Marteau.
 - Essentially: [Added value of IN2P3](#) research projects, the [place of IN2P3 with respect to other actors](#) in the field (CNRS-Biologie, INSERM, CEA, CERN, ...).

Agenda

Open session: 8 July until ~17:00

<https://indico.in2p3.fr/event/35720/>

Thank you for respecting the allocated time

Closed session: 8-9 July

- 8 July evening: place TBC
- 9 July: In Salle Croix Rousse (3rd floor)

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09:30 → 09:40 **Introduction to the session**
Speaker: Isabelle Ripp-Baudot

09:40 → 09:55 **Session scoping**
Speaker: Jacques MARTEAU

15' talk + 5' Q&A

10:00 → 10:30 **The CNRS Health Roadmap**
Speaker: Anne-Marie Gué

30' talk + 15' Q&A

10:45 → 11:15

Coffee break

11:15 → 11:45 **Overview of health activities at IN2P3**
Speaker: Marie-Laure GALLIN-MARTEL

30' talk + 15' Q&A

12:00 → 13:30

Lunch break

13:30 → 14:00 **Hadrontherapy**
Speaker: Marie Vanstalle

30' talk + 30' Q&A

14:30 → 15:00 **Innovative therapies**
Speaker: Rachel Delorme

30' talk + 30' Q&A

15:30 → 16:00

Coffee break

16:00 → 16:30 **Instrumental developments**
Speaker: Dr Etienne Testa

30' talk + 30' Q&A

17:00 → 17:05

End of the open session

- **Gérard Baldacchino** (LIDYL, CEA Saclay)
- **Ulli Köster** (ILL, Grenoble)
- **Jean-Pierre Pouget** (INSERM/IRCM, Montpellier)
- **Joao Seco** (University of Heidelberg and DFKZ)

Many thanks for their useful contribution.

- ▶ Thank you very much for the local help in organising this meeting in Lyon:
 - [Anne Ealet](#), director of IP2I
 - [Déborah Gaillard](#), IP2I director assistant
 - [Lionel Capoani](#), technical director of IP2I
 - [IP2I members of CS-IN2P3](#)

- ▶ Thank you for their general help to the scientific council:
 - [Danuta Dufrat-Chabriere](#), CoNRS assistant
 - [Valérie Haroutunian](#), IN2P3 management assistant

- ▶ **6-7 October 2025 at CNRS Paris**
Topic: $\beta\beta 0\nu$ experiments (scientific evaluation) + PIP-II (information)
- ▶ **Registration required**
 - For those without entry card
 - Before the deadline indicated