



Low Energy Nuclear Dynamics: FUSION27

May 24–28, 2027
Bordeaux

GANIL



First Circular

Dear colleagues,

The ninth international FUSION conference, Low Energy Nuclear Dynamics – FUSION27, will be held from

**May 24th to 28th, 2027,
in Bordeaux, France.**

Conference host and venue:

The Grand Accélérateur National d'Ions Lourds – **GANIL** Caen and the Laboratoire de Physique des Deux Infinis – **LP2i** Bordeaux are organizing the FUSION27 conference in the center of the city of Bordeaux.

Scientific program:

FUSION27 will follow in the tradition of the FUSION conference series and cover a wide range of topics associated with near-barrier nuclear reactions.

The following topics will be covered:

- Fusion dynamics
- Superheavy elements: Synthesis methods, structure, and chemistry
- Fission and quasi-fission dynamics
- Transfer and deep-inelastic collisions
- Near-barrier collisions with weakly bound and unstable nuclei
- Tunnelling and deep sub-barrier fusion
- Nuclear reactions relevant to astrophysics
- Facilities and instrumentation for reactions around the barrier
- Ground state and decay properties of atomic nuclei

Committees:

International Advisory Committee

Mahananda Dasgupta, ANU Canberra, Australia
Leandro Gasques, Univ. of São Paulo, Brazil
Xiaodong Tang, IMP Lanzhou, China

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Kouichi Hagino, Kyoto, Japan
Katsuhisa Nishio, JAEA Tokai, Japan
Anu Kankainen, Jyväskylä, Finland
Toni Sunghoon Ahn, IBS Daejeon, Korea
Giulia Colucci, HIL Warsaw, Poland
Tomasz Cap, NCBJ Swierk/Warsaw, Poland
Pete Jones, iThemba Cape Town, South Africa
Manuel Caamaño Fresco, Santiago de Compostella, Spain
Rodi Herzberg, Liverpool, UK
Alexandra Gade, FRIB East-Lansing, USA
Benjamin Kay, ANL Lemont, USA

Local Organizing Committee

Dieter Ackermann GANIL (chair)
Pauline Ascher (co-chair)
Marie Laure Abavent (secretary)
Fanny Cadou (secretary)
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David Boilley
François De Oliveira
Mustapha Laatiaoui
Julien Piot
Diego Ramos
Christelle Stodel
Barbara Sulignano

Registration, abstract submission, and proceedings:

The registration and abstract submission dates will be announced in a future circular. Refereed conference proceedings will be published in EPJ Web of Conferences.

Conference Web page:

<https://indico.in2p3.fr/event/34700/>

Travel information:

By train

Bordeaux can be reached by train (TGV) from Paris, Montparnasse station, in 2 h 15 min.

By plane

The main options are international flights to the two major airports in Paris, Charles de Gaulle and Orly. Both airports are connected by RER and metro with Montparnasse train station. The travel time is about 1 h. From Montparnasse station, Bordeaux can be reached by TGV (s.a.).

Best regards,
The FUSION27 Local Organizing Committee