Terms of References of IUPAP Standing Committee (WG9)

1. Mandate

- Provide a description of the landscape of key issues in nuclear science research sequentially for the next 10 to 20 years (IUPAP Report 41).
- Produce and maintain a compendium of nuclear physics facilities existing or under development worldwide (IUPAP Report 41 and Addendum).
- Establish a mapping of these facilities to the scientific questions identified above.
- Indicate the missing components that would have to be developed to provide an optimized, comprehensive network of international facilities.
- Enhance international collaboration in nuclear science through existing and future associations (e.g. ANPhA [Asia Nuclear Physics Association], ALAFNA [Asociacion Latina Americana de Fisica Nuclear y Aplicaciones], and NUPECC [Nuclear Physics European Collaboration Committee], with a nascent similar effort for Africa) and other major advisory and/or long-range planning committees that are not covered by these associations (e.g. from USA, Canada, …).
- Identify R&D projects that could benefit from an international joint enterprise.
- Serve as a source of expert advice to governmental and intergovernmental organizations in connection with efforts to coordinate and promote nuclear science at the international level (see e.g. the OECD Global Science Forum Working Group on Nuclear Physics [2006-2008]).
- Serve as a forum for the discussion of future directions of nuclear science in the broadest sense (via the Nuclear Science Symposia).
- Document the cross-disciplinary impact of nuclear physics through its nuclear science facilities and identify mechanisms for fostering cross-disciplinary research.

2. Scope

- The Standing Committee brings together leaders of major nuclear physics facilities from around the world and the chairs/presidents of international nuclear physics associations.
- The annual general meetings (AGMs) allow for updates from facilities, sharing proposed plans for future facilities, and networking.
- The Standing Committee acts as a forum for discussion and does not have any role in developing priorities established by countries or regions for their research programs.

3. Membership

The membership of the Standing Committee consists of four groups: The governing body, the chair and vice-chair of the IUPAP Commission C12, the respective chairs/presidents of the international nuclear physics associations (ANPhA in Asia and Oceania, NUPECC in Europe, ALAFNA in Latin America), and so-called members-at-large from large nuclear physics facilities or funding agencies.

The chair and vice-chair of C12, as well as the chairs or presidents of the international associations, are elected independently and serve on Standing Committee for the duration of their respective terms. Likewise, the members-at-large (most of them are the laboratory directors of nuclear physics facilities) serve for the length of their own terms. They may appoint designated representatives who can temporarily (for a single meeting or year) or permanently assume their membership duties.

In contrast, the governing body of the Standing Committee consisting of the chair, the vice-chair, and the secretary, has to be (re-)elected every 3 years.

- The term of the chair is 3 years.
- One vice-chair has to be elected for one 3-year term. The vice-chair will become the chair after this term and a new vice-chair has to be elected.
  The chair and vice-chair have to be chosen from the members (past term or present term). A rotation between the continents is desirable if possible. The chair automatically becomes the past chair after their term. The past chair will have an advisory role and shall have no voting rights.

- A scientific secretary has to be elected for a 3-year term – renewable once. The scientific secretary does not have to be a member-at-large and can be chosen from suitable candidates, e.g. from C12 members or suggested from scientific associations.

The total number of terms of any member on the governing body shall not exceed three terms (9 years), excluding the past chair position. For example, if a member-at-large is elected as secretary after their first term, they can serve one term as vice chair and one as chair. If they already served for two terms as secretary, they cannot be elected as vice-chair and then become chair since it would exceed the three-term limit.

The members-at-large are the respective elected laboratory directors or representatives of the funding agencies. This list can be extended or shortened depending on the situation (e.g. lab closures, new lab opening, shift of science program, or inactive members). As of 2026 the list comprises the directors (or their designates) from the following laboratories:

1. J-PARC/KEK (Japan)
2. RIKEN Nishina Center (Japan)
3. Institute for Rare Isotope Science (IRIS), IBS (South Korea)
4. Institute for Modern Physics (IMP)-CAS (China)[1]
5. Representative from India (inactive) [2]
6. Joint Institute for Nuclear Research (Russia)
7. iThemba Labs (South Africa)
8. CERN-ISOLDE
9. GSI Darmstadt/ FAIR (Germany)
10. INFN Laboratori Nazionali di Frascati (Italy)
11. GANIL (France)
12. EIC, Brookhaven National Laboratory (USA)
13. Jefferson Laboratory (USA)
14. FRIB (USA)
15. TRIUMF (Canada)
16. SNOLAB (Canada)[3]

These members can assign deputies from the senior management of their respective institutes/ laboratories as their replacement, for the full term or on a temporary basis (for meetings). These deputies shall have full voting rights like members-at-large. Should the term of a laboratory director end, the new incumbent will become the WG9 member or assign a deputy.

The distribution of the WG9 members should reflect the distribution of large-scale nuclear physics user facilities worldwide and the respective nuclear science associations. With no major user facilities in Oceania and South America, representation shall be ensured via their respective nuclear science associations (ANPhA and ALAFNA).

The list of members is updated upon request (if a member changes and/or their terms ends), at least at the beginning of each year when the planning for the Annual General Meeting begins. The most up-to date list can be found at https://wg9.triumf.ca/about-us.html . Changes are communicated to the official IUPAP webpages (https://iupap.org/who-we-are/internal-organization/working-groups/wg9-international-cooperation-in-nuclear-physics-icnp/wg9-members/) at least once per year.

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[1] *IMP-CAS is covering the facilities in Lanzhou and the new High Intensity Heavy-Ion Accelerator Facility (HIAF) in Huizhou which began operation in 2025.*

[2] *Presently there is no active representation from India. The director of the Inter-University Accelerator Center (IUAC) has been invited to all meetings but remains inactive. Actions are in place to find a suitable representative from India.*

[3] *SNOLAB is listed here as representative of an Underground Facility that carries out nuclear physics experiments covered under IUPAP C12 topics. Going forward we suggest a "rotating seat" between the four underground facilities performing science under C12 topics, namely JUNA in China, INFN Gran Sasso in Italy, SNOLAB in Canada, and SURF in the USA.*

4. Governance and Reporting

The Standing Committee is governed by the chair, vice-chair, past chair, and scientific secretary. An annually report is prepared, reporting about activities and plans. This report is shared with the C12 chair and vice-chair for comments before submission to IUPAP, and posted on the webpage (https://wg9.triumf.ca/reports.html). The members receive a digital copy of this report with the minutes from the past Annual General Meeting.

5. Meetings

One hybrid meeting per year (Annual General Meeting) shall be organized, with remote participation capabilities for members that cannot attend in person. The AGM shall be connected to the annual meeting of Commission C12 if possible. If required, additional remote meetings will be scheduled according to the issues to be discussed. Additional guests can be invited for the AGM to present specific topics or for discussions.

6. Resources and Budget

The annual budget of the Standing Committee shall be administered in Geneva via CERN or by the institute of either the vice-chair, chair, or secretary. No private account shall be used.
The respective account shall be reviewed annually by the governing body as well as by the institutional accounting department. No payments shall be done without the consent of the chair and vice-chair. If IUPAP requests a statement (account balance), the statement shall be provided and send to IUPAP within 4 weeks of receiving the request.

The budget shall be mainly used for networking events during the Annual General Meeting, or promotional costs like printing and mailing (e.g. for hardcopies of Report 41).

7. Nuclear Science Symposium

A Nuclear Science Symposium shall be organized every 3 years with in-camera meetings for interested funding agencies, in connection to the Annual General Meeting.

8. Review and Amendments

The Terms of Reference will be reviewed and updated as needed by discussions with the Standing committee members and/or IUPAP. This will ensure that the document remains relevant and accurate over time.