

Minutes IUPAP WG9 AGM 2024

TRIUMF Vancouver, June 21/22, 2024

Participants present in person (20): Angela Bracco (WG9 chair), Iris Dillmann (WG9 secretary), Bob Tribble (WG9 past chair), Marek Lewitowicz (NUPECC), Hiro Sakurai (WG9), Byungsik Hong (ANPhA), Diego Bettoni (C12), Eberhard Widmann (C12 Secretary), Mathis Wideking (C12), Yoon Jin-He (C12), Nigel Smith (WG9), Jeter Hall (WG9), Paolo Giubellino (WG9), Seung-Woo Hong (WG9), Eugenio Nappi, Naohito Saito (WG9); Petr Navratil (TRIUMF, Interim Director Physical Sciences Division), Oliver Kester (TRIUMF, Director Accelerator Division), Oliver Stelzer-Chilton (TRIUMF, Chair Canadian NSERC-IUPAP Liaison Committee)

Participants remote: Fanny Farget (C12), Gail Dodge (NSAC), Ani Aprahamian (C12), Maria Borge (C12), Stuart Henderson (WG9), Thomas Glasmacher (WG9), Lijun Mao (HIAF), Grigory Trubnikov (WG9), Navin Alahari (WG16), Abhay Deshpande (WG9)

Minutes prepared by Iris Dillmann.

Meeting webpage with slides: <https://indico.triumf.ca/event/519/timetable/#20240621.detailed>

- 1) The participants were welcomed by TRIUMF CEO Nigel Smith with the Land Acknowledgement.
- 2) WG9 chair Angela Bracco and Secretary Iris Dillmann also welcomed the participants. The minutes from the last meeting 2023 in Avignon/ France were approved. They can be found at <https://wg9.triumf.ca/minutes.html>
- 3) Changes in membership: Present and past membership lists can be found on the WG9 webpage at <https://wg9.triumf.ca/about-us.html> . Upcoming changes (2024/25) of the WG9 membership: Zhiyu Sun replaces Hushan Xu as new director of IMP Lanhau/ China; David Dean will replace Stuart Henderson as Director of Jefferson Lab/ USA; Alinka Lepine-Szily let us know that a new chair for ALAFNA will be elected soon; Eberhard Widmann will be the new chair of NUPECC, starting December 2024.
- 4) Angela Bracco reports from the IUPAP Executive Council (Oct. 3, 2023): (slides at https://indico.triumf.ca/event/519/contributions/5814/attachments/3959/5407/Per_WG9_Vancouver_v2.pptx) The new incoming IUPAP president is Silvina Ponce Dawson. The IUPAP office has been moved from Singapore to Trieste/ Italy. The UN General Assembly has adopted a new resolution proclaiming the International Decade of Science for Sustainable Development (2024-2033). New Working Groups were formed (WG18 – WG on Ethics, WG19 – WG on Quantum Science and Technology, WG20- WG on Open Science; WG21 – WG on Physics for Climate Change Action and Sustainable Development); WG 16 – Physics and Industry wants to become a commission. We as WG can send observers to other WGs (e.g. Navin Alahari who is in WG16 reporting back to us)- if anyone is interested, contact Angela.
- 5) One of the discussion points at the IUPAP General Assembly was a suggestion of restructuring of IUPAP Commissions and Working Groups. For example, WG should exist only for a limited time. For “transversal” WG like our WG9 or WG1 (ICFA) with long-term activities one would need a new category. An external evaluation committee has been asked to make suggestions about the

restructuring process. The summary will be presented at the next General Assembly in October 2024 in Haikou/ China. WG9 should be represented there – who can go?

- 6) Updates and/or Addendum for Report 41 (<https://wg9.triumf.ca/report41.html>): Addendum to the report that includes information on the topics related to the impact and societal impact of the Nuclear Physics facilities (see at the end of the minutes). Consider also adding executive summaries (2 pages) from strategic reports (NUPECC, NSAC, Canadian Subatomic Physics, ... etc.).
- 7) Next WG9/C12 meeting: During INPC2025; no Science Symposium in 2025, delay it by 1 year (to 2026) to wait for IUPAP restructuring and look for host in more central location- plan for 2 days, together with C12. Suggestion: IPAC2026 in Paris (tbc).

This was followed by presentations by participants which are not summarized in detail here. The slides can be found at <https://indico.triumf.ca/event/519/timetable/#20240621.detailed>

- IUPAP C12 report by Ani Aprahamian: Nominations of new C12 members have been done, C12 can add additional members; the Young Scientist Prize will be given to 3 scientists during the INPC2025.

-----End of minutes

Report 41 Addendum: Questions sent out to WG9 members

We want to thank you for your help in updating Working Group 9's Report 41 during the recent years. In order to provide a better view of the range of our activities to IUPAP, we are preparing an addendum to the report that includes information on the following topics related to the impact and societal impact of our facilities. Please provide very brief statements (no more than a few sentences and possibly pictures when appropriate) and links to your web page on the topics below that are pertinent to your facility. In cases where you have multiple activities in an area, please select the most pertinent one(s).

- What activities does your facility focus on that contribute to society such as isotope production, cooperation with industry for electronics single event interrupt testing, materials testing, food preservation, environmental impacts, etc.
- Are there specific activities that focus on climate change and/or environmental monitoring?
- Enumerate your efforts in diversity, equity and inclusion to expand the nuclear science workforce.
- What activities are you doing for public outreach and to promote and/or implement Open Science. In case of multiple activities, please be selective to
- What research do you have in quantum science and technology and/or in high power computing driving innovation in the fields of AI and ML. What initiatives are you planning in QIS that support the designation of 2025 and 2026 as the International Year of Quantum Science and Technology.

For those that apply to your facility, please provide short answers to us as soon as possible but no later than the end of September, and we will compile them into a brief addendum to the report.