

## **On IUPAP WGs, January 2025.**

**All existing Working Groups were extended until the 34<sup>th</sup> GA.**

These are:

- WG1: International Committee for Future Accelerators (ICFA)
- WG5: Women in Physics
- WG7: International Committee on Ultrahigh Intensity Lasers (ICUIL)
- WG9: International Cooperation in Nuclear Physics (ICNP)
- WG11: Gravitational Wave International Committee (GWIC)
- WG13: Newtonian Constant of Gravitation
- WG14: Accelerator Science
- WG15: Soft Matter
- WG16: Physics and Industry
- WG18: Working Group on Ethics
- WG19: Working Group on Quantum Science and Technology
- WG20: Working Group on open science
- WG21: Working Group Physics for Climate Change Action and Sustainable Development

The duration of WG19 was further extended through the end of 2025 to fulfill its renovated mandate.

**Some considerations for the WGs that were not passed as resolutions of the 33<sup>rd</sup> GA:**

**Working Group Charges. This message will be conveyed to the corresponding chairs.**

It is requested that WG1, WG7, WG9, WG11, WG14, WG18 and WG21 consider the recommendations, considerations and suggestions included in the external and internal evaluation reports and in the [supplementary material of this resolution](#) and present by May 31<sup>st</sup>, 2025, a proposal to the Executive Council with a recommendation of how the activities of the Working Group should continue. To this end they should liaise with relevant IUPAP Commissions as needed. In case the recommendation is to continue as a Working Group, the proposal should include an action plan for the years to follow until the next in person General Assembly to be held in 2027 together with a budget where the level of support from IUPAP should be indicated. The group composition and their terms of reference should be included with the action plan. In the case of WG14, it is recommended that it liaise with LAAAMP and members of the US LC interested in the creation of a WG on Major Neutron Research Facilities to bring a coordinated proposal with a renovated mandate for WG14 in case that the recommendation is to continue as a Working Group.

**Working Groups on Women in Physics, WG5, and Physics and Industry, WG16**

Given that WG5 on Women in Physics and WG16 on Physics and Industry have existed for a relatively long time addressing transversal issues and that the restructuring of IUPAP will involve changes on how to address this type of issues, the 33<sup>rd</sup> General Assembly determines that the Gender Champion and a representative of WG16 should participate in the committee that will elaborate the preliminary proposal for the restructuring of IUPAP to be discussed at the 34<sup>th</sup> General Assembly in 2025.

**Working Group on Soft Matter, WG15**

In view of the recommendations and considerations included in the external and internal evaluation reports of IUPAP, the 33<sup>rd</sup> IUPAP General Assembly mandates WG15 to discuss with the Chairs of the Commissions on Statistical Physics (C3), Biological Physics (C6) and Computational Physics (C20) the best ways to include the subject of Soft Matter within the structures of IUPAP. In case that the recommendation is to create a new Commission, a roadmap should be designed and presented for the consideration of the 34<sup>th</sup> IUPAP General Assembly to be held in 2025.

### **Working Group on the Newtonian Constant of Gravitation, WG13**

WG13 was inactive since the COVID19 pandemic and failed to submit reports to all the General Assemblies since then (in 2021, 2022 and 2023). In 2024, it has recently submitted a report. The 33<sup>rd</sup> IUPAP General Assembly mandates WG13 with elaborating a proposal, in consultation with the IUPAP Commission on Symbols and Units, C2, on whether to pursue the work on this matter and how, if the proposal is to continue, and submit it to the 34<sup>th</sup> IUPAP General Assembly to be held in 2025. In case the recommendation is to continue as a Working Group, the proposal should include an action plan for the years to follow until the next in person General Assembly to be held in 2027 together with a budget where the level of support from IUPAP should be indicated.

### **Creation of new WGs.**

The US Liaison Committee presented the proposals to create a Working Group on “*Artificial Intelligence/Machine Learning Methodologies for Physics and Physics for AI/ML*” and another in the field of *Major Neutron Research Facilities*. We decided to postpone the decision to the 34<sup>th</sup> GA in view of IUPAP’s rejuvenation process. A Zoom meeting was held to discuss the WG on Neutron facilities, to make sure that there wouldn’t be overlap with WG1 and WG14. The result of the meeting was very positive. Nothing has been advanced regarding AI. The creation could be advanced by the EC on an interim basis before the 34<sup>th</sup> GA if needed. In any case, the rejuvenation task force can this.