

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
CERN **EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH**

Action to be taken

Voting Procedure

For recommendation	SCIENTIFIC POLICY COMMITTEE 340 th Meeting 17-18 June 2024	-
For decision	CLOSED COUNCIL 217 th Session 20-21 June 2024	Simple majority of Member States represented and voting

**Update of the European Strategy for Particle Physics:
Remit of the European Strategy Group**

The Scientific Policy Committee is invited to recommend and the Council is invited to approve the remit of the European Strategy Group, as set out in section II of this document.

Update of the European Strategy for Particle Physics: Remit of the European Strategy Group

I. Background

At its Restricted Session on 21 March 2024, the Council approved, by consensus, the timeline for the next update of the European Strategy for Particle Physics, set out in document [CERN/SPC/1232/RA-CERN/3802/RA](#), with a completion date in June 2026, together with three proposed amendments to the composition of the European Strategy Group (ESG).

This document presents the proposed remit of the ESG, set out in section II, below. It has been prepared by the President of the Council in consultation with the Director-General, the two Council Vice-Presidents, and the Chair of the Finance Committee. The Chair of the Scientific Policy Committee, who will be an ex officio member of the Strategy Secretariat, did not take part in the preparation of the draft remit.

II. Remit of the European Strategy Group

The remit of the European Strategy Group (ESG), established in June 2024, is to develop an update of the European Strategy for Particle Physics and submit it for approval by the Council. The aim of the Strategy update should be to develop a visionary and concrete plan that greatly advances human knowledge in fundamental physics through the realisation of the next flagship project at CERN. This plan should attract and value international collaboration and should allow Europe to continue to play a leading role in the field.

The ESG should take into consideration:

- the input of the particle physics community;
- the status of implementation of the 2020 Strategy update;
- the accomplishments over recent years, including the results from the LHC and other experiments and facilities worldwide, the progress in the construction of the High-Luminosity LHC, the outcome of the Future Circular Collider Feasibility Study, and recent technological developments in accelerator, detector and computing;
- the international landscape of the field.

The Strategy update should include the preferred option for the next collider at CERN and prioritised alternative options to be pursued if the chosen preferred plan turns out not to be feasible or competitive. The Strategy update should also indicate areas of priority for exploration complementary to colliders and for other experiments to be considered at CERN and at other laboratories in Europe, as well as for participation in projects outside Europe.

The ESG should review and update the Strategy and add other items identified as relevant to the field, including accelerator, detector and computing R&D, the theory frontier, actions to minimise the environmental impact and to improve the sustainability of accelerator-based particle physics, the strategy and initiatives to attract, train and retain the young generations, public engagement and outreach.

The ESG should submit the proposed Strategy update to the Council by the end of January 2026.

III. Proposal

The Scientific Policy Committee is invited to recommend and the Council is invited to approve the remit of the European Strategy Group, as set out in section II of this document.