

A repository for white papers by US groups for submission to the ESPPU

Monday 31 March 2025 - Monday 31 March 2025

Scientific Programme

Repository for US contributions to the European Strategy for Particle Physics Update

The process for the update of the European Strategy for Particle Physics (ESPP) was launched by CERN Council in March 2024 and is expected to conclude in 2026. As part of this process, the Strategy secretariat has solicited input from a broad range of stakeholders. DPF and DPB encourage US groups to engage with this process.

As part of the planning process, the ESPP is soliciting white papers, to be submitted by March 31, 2025, from the international particle physics community – universities, laboratories and collaborations. Some US collaborations and projects are preparing white papers and we feel it would be good for the US community to share those contributions with each other. See the reference material below for the timeline and specifications for white papers.

As part of this process, the APS Divisions of Particles and Fields (DPF) and Physics and Beams (DPB) have created this site for groups to share their white papers.

It is currently populated with the talks given at a Forum on Feb. 27th. (<https://indico.global/event/13796/>) Groups are encouraged to contact dpfstrategy@fnal.gov for assistance in uploading white papers they wish to share or in modifying titles or author lists. DPF/DPB will also use these contributions in drafting an overview of the US Program.

Regards, the DPF and DPB executive committees.

The timeline for the ESPP process is:

Submission of white papers from particle physics community members by 31 March 2025 (guidelines available [here](https://europeanstrategyupdate.web.cern.ch/call-input)). Community white papers should be submitted via <https://europeanstrategyupdate.web.cern.ch/call-input>. DPF would much appreciate it if you could also send a copy of your submissions to dpfstrategy@fnal.gov.

Additional input from the national HEP communities in advance of the Open Symposium (deadline 26 May 2025)

Participation in the Open Symposium that will take place in Venice, IT, from 23 – 27 June 2025.

Based on the input collected further input from the national HEP communities is welcome ahead of the December 2025 Strategy drafting session (deadline 14 November 2025).

Reference materials

The US strategy from P5/Snowmass is outlined in:

Snowmass 2021 report: <https://inspirehep.net/literature/2627711>

P5 report: <https://www.usparticlephysics.org/2023-p5-report/>

The European Strategy call for input is here: <https://ecfa.web.cern.ch/ecfa-guidelines-inputs-national-hep-communities-european-strategy-particle-physics-0>

And the overall process is described at: <https://europeanstrategyupdate.web.cern.ch>

Call for white papers:

<https://europeanstrategyupdate.web.cern.ch/call-input>

Format for white papers:

https://europeanstrategyupdate.web.cern.ch/sites/default/files/Guidelines-input-call-March_2025.pdf

ECFA guidelines for national input: <https://ecfa.web.cern.ch/ecfa-guidelines-inputs-national-hep-communities-european-strategy-particle-physics-0>