Croatian HEP community input to the European Strategy for Particle Physics update

Survey

CROHEP survey (Croatian HEP community input to the European Strategy for Particle Physics update)

Questions below are based on a set of ECFA guidelines published in https://ecfa.web.cern.ch/ecfa-guidelines-collecting-input-european-high-energy-physics-community-2026-update-european The survey is completely anonymous.

Your academic level *

- ◯ Doctoral student
- ◯ Postdoc
- ◯ Junior faculty/staff scientist (doc./znan. suradnik)
- ◯ Senior faculty/staff scientist (izv. prof./viši znan. suradnik and above)

Your area of research *

- ◯ Theory
- ◯ Experiment

Do you work on collider phenomenology and/or collider experiment(s)? *

Yes | No

If no, what is your field of research? (optional)

Questions on collider projects

1) Which is your preferred next major/flagship collider project for CERN? *

e.g. FCC (FCC-ee and/or FCC-hh), linear colliders (CLIC, energy recovery linacs, etc.), muon collider, plasma accelerators, long-baseline neutrino beam or some other alternative

2) What are the main factors driving your choice in 1)? *

- ☐ Physics potential
- ☐ Long-term perspective
- ☐ Financial and human resources: requirements and effect on other projects
- ☐ Timing
- ☐ Careers and training
- ☐ Sustainability

Please select up to 3 items

3) Would your chosen flagship project in 1) change if:

a) Japan decides to proceed with the ILC in a timely manner *

Yes | No

If yes, what would your new choice of flagship project be, and why?

b) China decides to proceed with the CEPC on the announced schedule? *

Yes | No

If yes, what would your new choice of flagship project be, and why?

c) the US decides to proceed with a muon collider? *

Yes | No

If yes, what would your new choice of flagship project be, and why?

d) there are major new (unexpected) results from the HL-LHC and/or other HEP experiments? *

Yes | No

If yes, what would your new choice of flagship project be, and why?

4) What other accelerator R&D should be pursued in parallel with your preference in 1), and why? (e.g. high-field magnets, RF technology, alternative accelerators/colliders)

5) What would be your preferred alternative flagship project(s), in order of preference, if 1) is not feasible due to e.g. cost, timing, international developments, etc.?

6) What are the main factors driving your choice in 5)?

- ☐ Physics potential
- ☐ Long-term perspective
- ☐ Financial and human resources: requirements and effect on other projects
- ☐ Timing
- ☐ Careers and training
- ☐ Sustainability

Please select up to 3 items

Questions on non-collider projects

7) What other areas of physics should be pursued, and with what relative priority?

8) What are the main factors driving your choice(s) in 7)?

- ☐ Physics potential
- ☐ Long-term perspective
- ☐ Financial and human resources: requirements and effect on other projects
- ☐ Timing
- ☐ Careers and training
- ☐ Sustainability

Please select up to 3 items

9) To what extent should CERN participate in areas of science other than particle physics (e.g. nuclear physics, astroparticle physics, or any other field aligned with the CERN Convention)? Please use the current level and form of activity as a baseline for comparison.

Submit | Back

Your answers will be submitted anonymously.