



At this stage, without knowing the reasons for which the FCC-ee would not be other alternative options are not ranked.



K. Jakobs, Linear Collider@ CERN Workshop, 8th January 2026

Slides shown by K. Jakobs at LCVision Meeting

CCL - Meeting

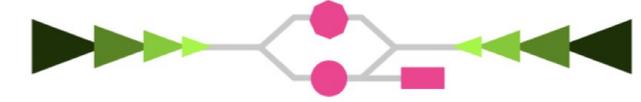


1500 GeV collider. Construction costs at the same level as FCC-ee
CLIC technology is well developed, but less mature than the LCF technology

* LCF: 550 GeV collider: construction costs at the same level as FCC-ee
LCF technology is mature

- The path towards 10 TeV collisions would require plasma wakefield acceleration, which is not yet proven to be a viable technology.

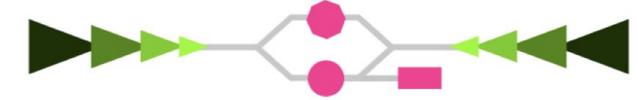
- - Reduced physics
- Not competitive with an FCC-ee-like collider
- Currently no path exists to 10 TeV collisions



feasibility of alternate tunnel constructions in the Geneva area would have to be considered further prioritisation.

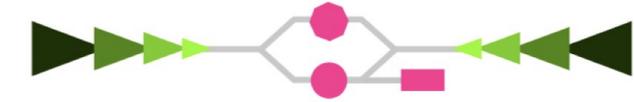
- In all scenarios, there would currently be no credible path to high-energy exploration

- There is a strong recommendation from the ESG for the realisation of the FCC-ee
- Efforts will be made (CERN management) to convince Council to approve this plan!
- If this fails, a “light-weight” strategy process will probably be called in 2028

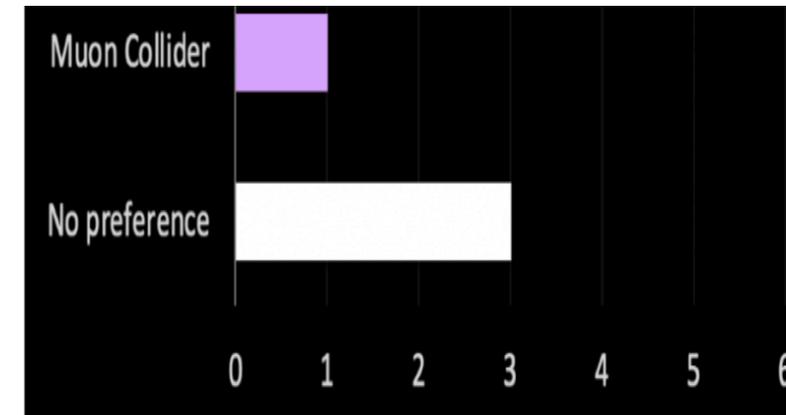


- The strategy recommendations are a bad joke !
 - In particular the scenario A' that was never evaluated in the Strategy discussion
- Higgs and particularly the top were relegated behind Flavor and QCD, a choice of the discipline that must be highlighted.
- Zero strategy how to react to results from the LHC or other disciplines.
- Impression that the HL-LHC (if priority) and the new project are completely disconnected
- We are practically slamming the door on technologies like plasma acceleration

Vote on alternative options and “French Input”

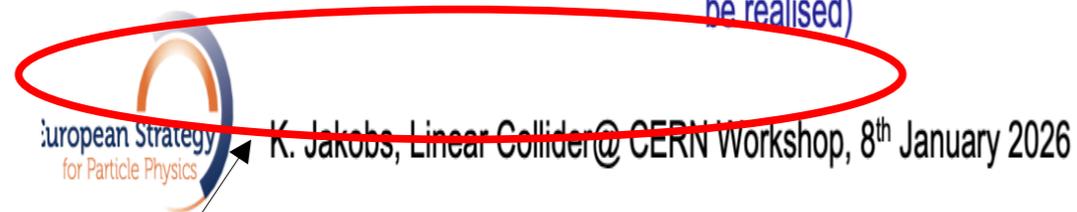


Italy	FCC-ee
Netherlands	LHeC or LEP3
Norway	Linear Collider (CLIC (LCF))
Poland	FCC-ee
Portugal	
Romania	FCC-ee
Serbia	LEP3 (LHeC)
Slovakia	LHeC
Slovenia	FCC-ee
Spain	Linear Collider (LCF, CLIC)
Sweden	LCF
Switzerland	FCC-ee
United Kingdom	LHC extension, LHeC



- No consensus
- Three main axes:
 - FCC (stretched in time)
 - Linear Collider
 - Intermediate project bridge towards FCC

France (30 Nov): - staged FCC (if financially not feasible);
 - LHC Intermediate Project (if tunnel cannot be realised)



French Input on 30th of November !
 ... under ignorance of community discussion

Now what to do ?



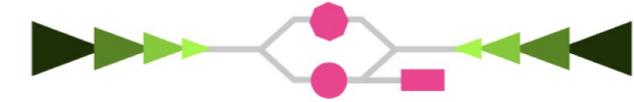
- 7-9 January at CERN <https://indico.cern.ch/event/1602105/overview>
 - Goal was/is to be prepared to a mandate by CERN Council to present a workplan to bring a Linear Collider at CERN to decision readiness by 2028
 - 221 people registered (62 on site)
- Opening speech by New Director General
- Plenary sessions and talks to settle the scene
 - Plenary talks included an update of the ESPPU by Karl (see above)
- Parallel sessions to prepare the formulation of a workplan
 - Angeles in charge of BDS systems
 - R.P. in charge of preparing a workplan on detector optimisation
 - Physics will include $ee \rightarrow ss$ but also $ee \rightarrow WW$ studies !
- Participation and discussions were encouraging
 - More than before the need for higher energies was emphasised
 - (LCF only option with which we could react now on LHC results apart from FCC-hh)
- Mood and plan nicely summarised in workshop statement
 - Feel free to distribute it to whoever you think is useful



- **General Comments**
 - ESG conclusions are recommendations, thus neither a decision nor a funding approval
 - Alternative options are pushed back but not stopped
 - LCF are considered as flagship projects with competitive (I would even say superior programme on Higgs and top
 - Let me also point out the option of gamma-gamma collisions
 - No road to 10 TeV is clearly narrow minded point of view
 - Therefore, there is hope that the LC will not be completely stopped
- **However, have to deal with the conclusions of the ESG**
 - Criticism but we have to see also what is useful for FCCee
 - If new CERN DG would like to maintain LC activity he will
 - ... have to name A « powerful » successor to Steinar
 - ... explain his view to the LDG (of which IJCLab is part of) at the LDG meeting in February
- **It makes sense to wait at least the LDG Meeting in February before taking further concrete action**
 - We can still discuss what could become useful to do



- [7-9 January at CERN](#)
 - Goal is to be prepared to a mandate by CERN Council to present a workplan to bring a Linear Collider at CERN to decision readiness by 2028
 - So far 128 people registered (62 on site)
- [About to prepare the programme](#)
 - General scheme
 - Plenary sessions and talks to settle the scene
 - Plenary talks include an update of the ESPPU by Karl
 - Parallel sessions to prepare the formulation of a workplan
- [See also programme draft \(w/o names\)](#)
 - Work in progress, taken from a mail by Jenny



- **17/11/25 – 21/11/25 Gif School on Future Accelerators at Strasbourg**
 - Very nice, well organised event
 - Among others presentations by Angeles (Accelerators) and Roman (Plans B)
 - Excellent talks → I hope that the students will benefit from it, the lecturers did
 - Got some echos that people were wondering why conclusions by “community” were completely ignored by IN2P3/CEA Managements
- **24/11/25 – 26/11/25 IRN Terascale Meeting at Montpellier**
 - Talk by Jesus on ee->ss
 - Nice forum to exchange with the physics community in France and elsewhere
 - Have to ensure our presence there also in the future
 - Some colleagues were happy to see that the LC is (somehow) still alive
- **Question would be how to nurture the shy interest (that was more than just politeness)**
- **26/11/25 – 28/11/25 FCC France Meeting**
 - Vincent, Maxim, Paul ?