

Brief recap LCWS205



- 20-24 October 2025 at Valencia
 - https://agenda.linearcollider.org/event/10594/
 - ~250 participants (on-site + online)
 - Present : Jesus, Francois, Dirk, Roman, Marc, Angeles, Walid, Irina, Ziad, Paul, Maxim, Hao,
 - Gerard (?) ... qui d'autre?
 - En ligne: Vincent, Jean-Claude ... qui d'autre?
- Encouraging meeting that
 - Showed that the LCF is a solid realisable project
 - With a clear physics case
 - With considerable innovation potential (→ energy upgrades of the machine)
 - Improvements on SCRF
 - many talks on Plasma Wake Field acceleration
 - We (I) may have to better understand potential, delays, limits and timelines
 - Ask (and motivate) also your local colleagues (e.g. APOLLON at LLR, PALLAS at IJCLab)
 - Nice talk by Jana Serhal at DMLAB meeting on PALLAS
 - (My worry) is that we loose a good fraction of this innovation potential for particle physics by a decision for FCC
 - Discipline will have to bundle all capacities on high-field magnets
 - → One way road



Report ESG WG2a



- Assessment of projects
- https://cds.cern.ch/record/2947728

Project	Scope	TRL	R&D	Test facilities	Performance	Site preparation	Schedule	Cost	Risk
CLIC 380 GeV, 1.5 TeV		4 - 6 / 5.2							
FCC-ee 91-365 GeV		4 - 7 / 6.0							
FCC-hh 85 TeV		4 - 7 (Nb ₃ Sn) / 4.3							
		2 - 7 (HTS) / 3.2							
FCC-hh - SA 85 TeV		4 - 7 (Nb ₃ Sn) / 5					Nb₃Sn		
LCF 250 - 550 GeV		5 - 7 / 5.5							
LEP3 91 - 230 GeV		3 - 6 / 4.0							
LHeC: HL-LHC + 50 GeV ERL		3 - 6 / 4.5							
MC 3.2 TeV, 7.6 TeV		3.2 TeV: 3 - 5 7.6 TeV: 2 - 5							

- LCVision Generic Community Meeting 7-9 January 2026 at CERN
 - https://indico.cern.ch/event/1602105/
 - Prepare for success (i.e. a/the Plan B for the next CERN project)
- Impact on recent developments of CEPC ?



Developments in France?



- Updated input to ESPPU by IN2P3 and/or CEA/Irfu?
- Recent broadcast on FCC on France Inter
 - https://www.radiofrance.fr/franceinter/podcasts/la-terre-au-carre/la-terre-au-carre-du-mercredi-12-novembre-2025-9650798
- 17/11/25 21/11/25 Gif School on Future Accelerators at Strasbourg
- 24/11/25 26/11/25 IRN Terascale Meeting at Montpellier
- 26/11/25 28/11/25 FCC France Meeting