

# Scenarios

	2020-2040	2040-2060 1st gen technology	2060-2080 2nd gen technology
CLIC	HL-LHC	CLIC380-1500	CLIC3000
CLIC-FCC-mixed	HL-LHC	CLIC380	FCC-h/e/A (Adv HF magnets)
FCC	HL-LHC	FCC-ee (90-365)	FCC-h/e/A (Adv HF magnets)
LE-to-HE-FCC-h/e/A	HL-LHC	LE-FCC-h/e/A (LF magnets)	FCC-h/e/A (Adv HF magnets)
LHeC+FCC-h/e/A	HL-LHC + LHeC	LHeC	FCC-h/e/A (Adv HF magnets)

- ❖ To make the discussion more concrete we can imagine 5 scenarios, which can be pursued in Europe.
- ❖ We are working in a global context, but we should take the lead and decide what is best for Europe.
- ❖ Hope to make decisions which are robust, whatever happens elsewhere.
- ❖ Machine parameters and integrated luminosities defined for CERN machines, [1810.13022](#)