

Schedule

	T_0		+5		+10		+15		+20		...	+26
ILC	0.5/ab 250 GeV			1.5/ab 250 GeV			1.0/ab 500 GeV	0.2/ab $2m_{top}$	3/ab 500 GeV			
CEPC	5.6/ab 240 GeV			16/ab M_Z	2.6 /ab $2M_W$						SppC =>	
CLIC	1.0/ab 380 GeV				2.5/ab 1.5 TeV				5.0/ab => until +28 3.0 TeV			
FCC	150/ab ee, M_Z	10/ab ee, $2M_W$	5/ab ee, 240 GeV			1.7/ab ee, $2m_{top}$				hh,eh =>		
LHeC	0.06/ab			0.2/ab			0.72/ab					
HE-LHC	10/ab per experiment in 20y											
FCC eh/hh	20/ab per experiment in 25y											

Project	Start construction	Start Physics (higgs)
CEPC	2022	2030
ILC	2024	2033
CLIC	2026	2035
FCC-ee	2029	2039 (2044)
LHeC		

Proposed dates from projects

Would expect that technically required time to start construction is O(5-10 years) for prototyping etc.

Technical Overview and Challenges of Proposed Higgs Factories, D.Schulte

Comparisons

Project	Type	Energy [TeV]	Int. Lumi. [a^{-1}]	Oper. Time [y]	Power [MW]	Cost
ILC	ee	0.25	2	11	129 (upgr. 150-200)	4.8-5.3 GILCU + upgrade
		0.5	4	10	163 (204)	7.8 GILCU
		1.0			300	?
CLIC	ee	0.38	1	8	168	5.9 GCHF
		1.5	2.5	7	(370)	+5.1 GCHF
		3	5	7	(590)	+7.3 GCHF
CEPC	ee	0.091+0.16	16+2.6		149	5 G\$
		0.24	5.6	7	266	
FCC-ee	ee	0.091+0.16	150+10	4+1	259	10.5 GCHF
		0.24	5	3	282	
		0.365 (+0.35)	1.5 (+0.2)	4 (+1)	340	+1.1 GCHF
LHeC	ep	60 / 7000	1	12	(+100)	1.75 GCHF
FCC-hh	pp	100	30	25	580	17 GCHF (+7 GCHF)
HE-LHC	pp	27	20	20		7.2 GCHF