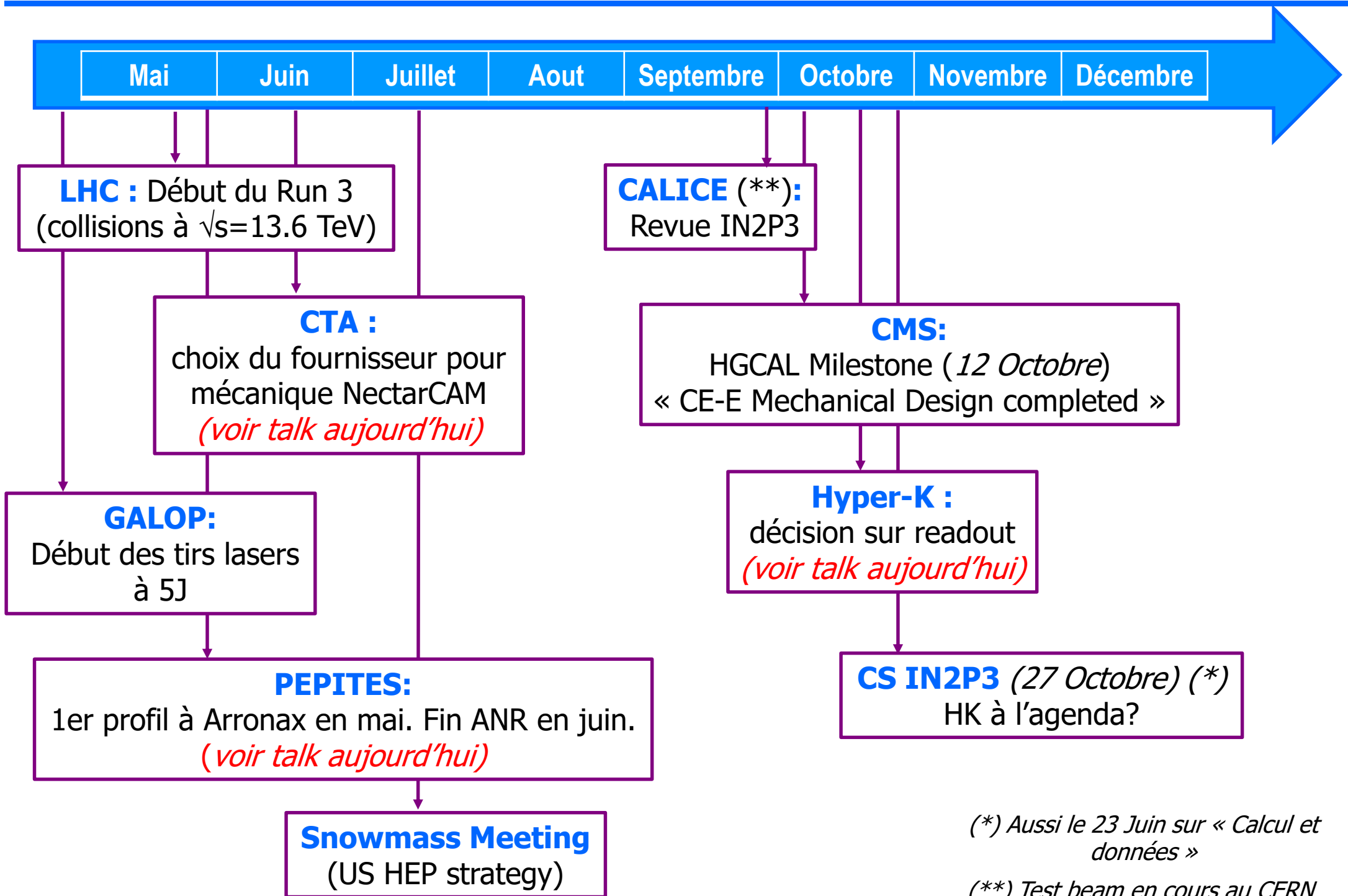




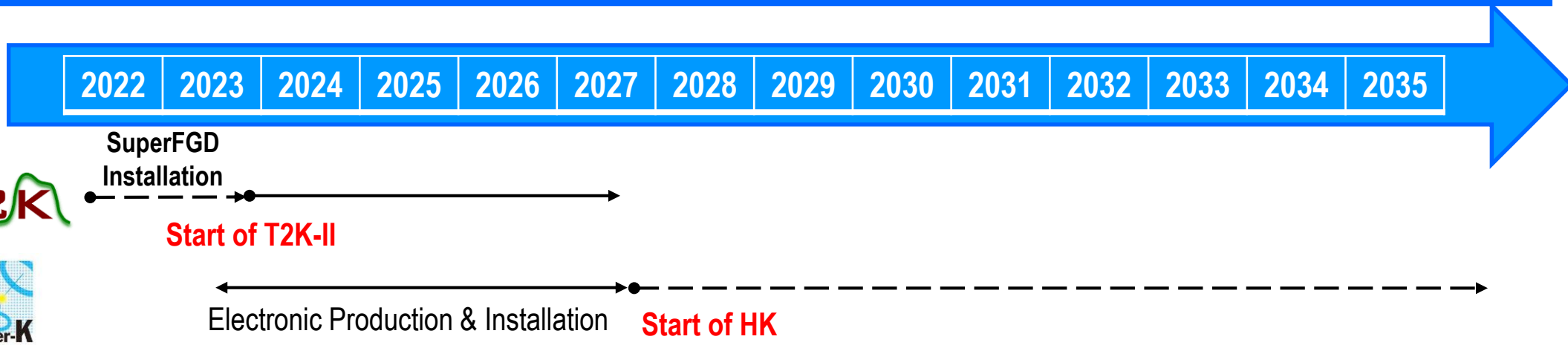
Conseil Scientifique du LLR

Christophe Ochando (LLR/CNRS/Ecole Polytechnique)

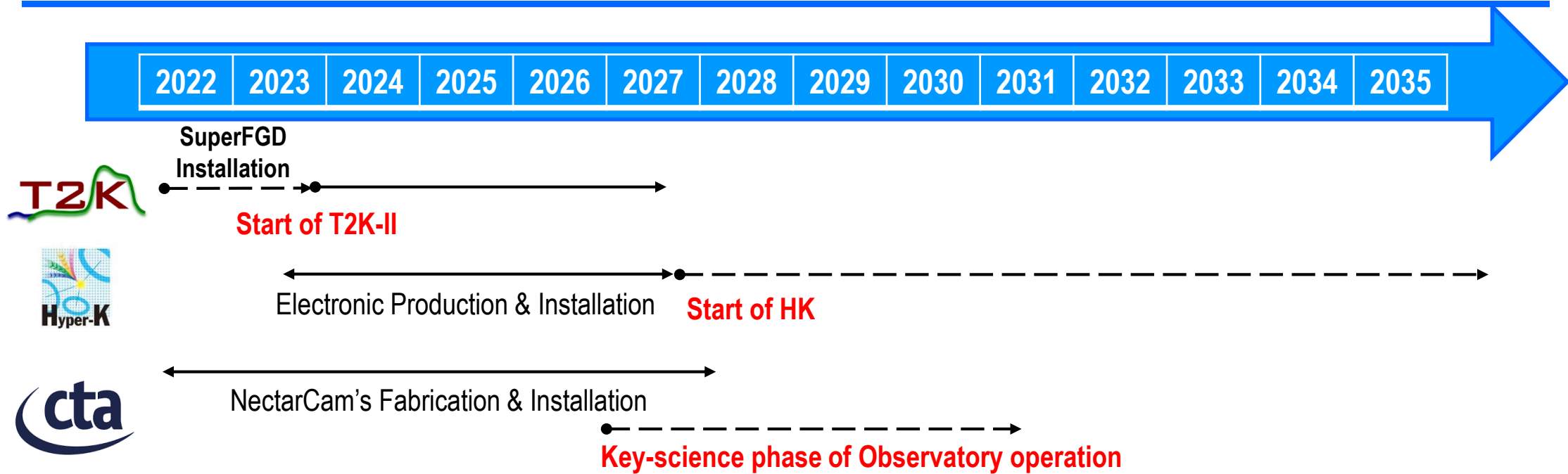
Focus sur 2022 (liste non-exhaustive...)



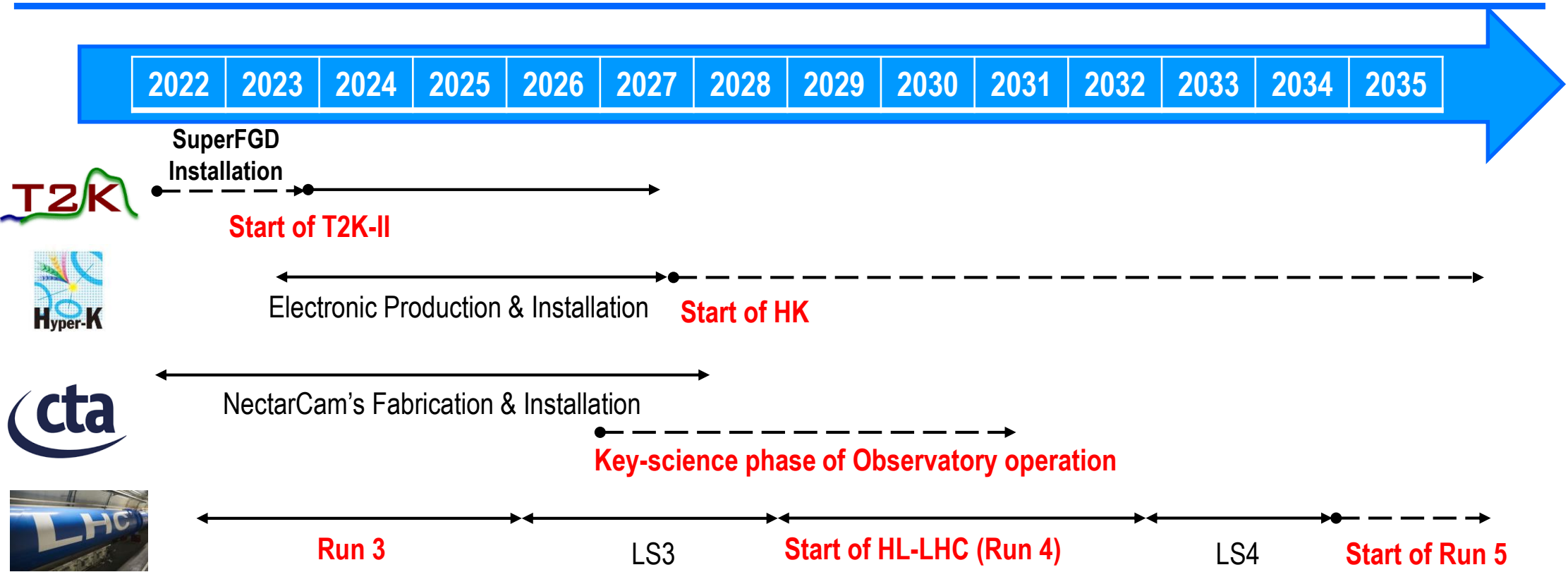
Tentative Projects Overview (with approximate schedule)



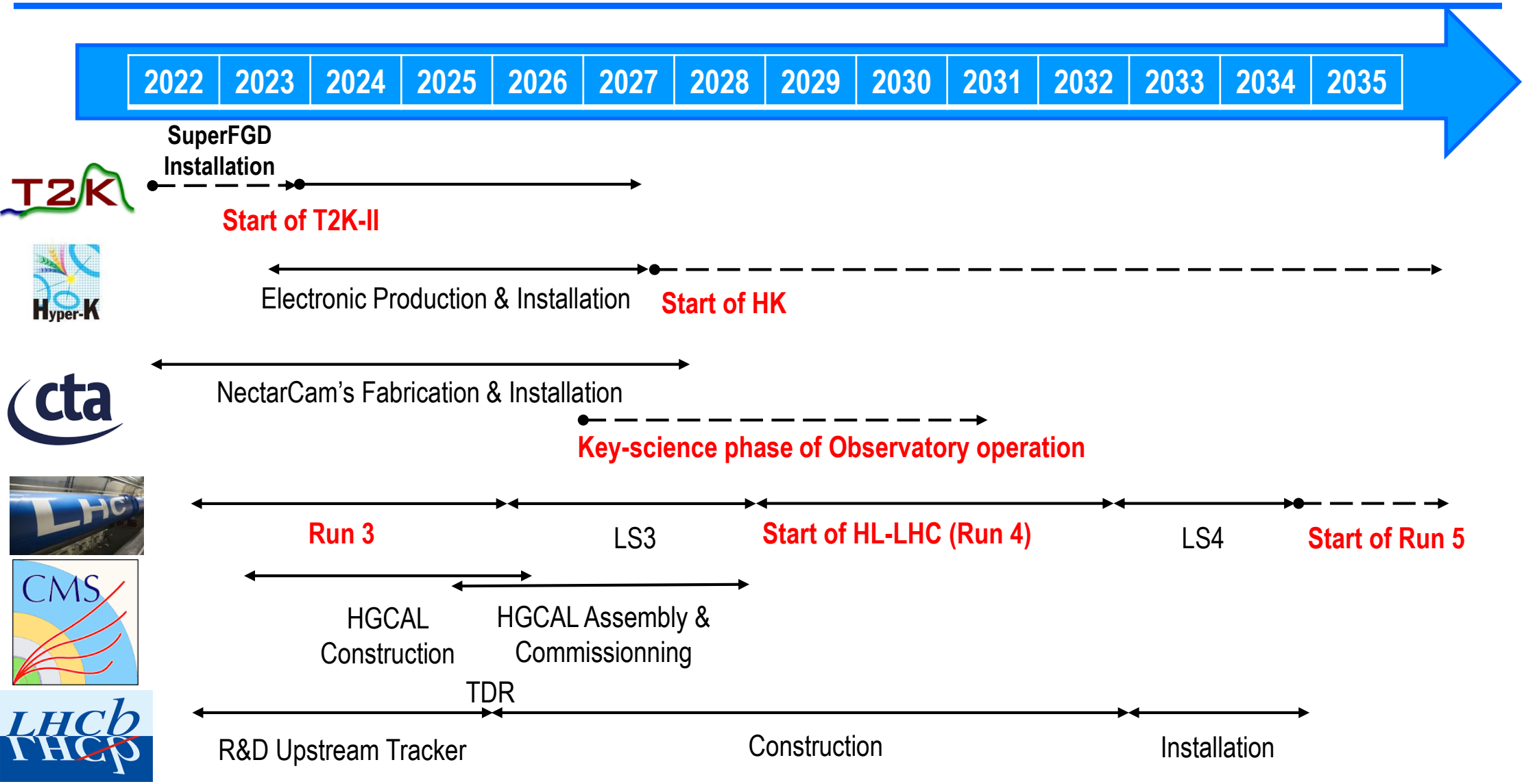
Tentative Projects Overview (with approximate schedule)



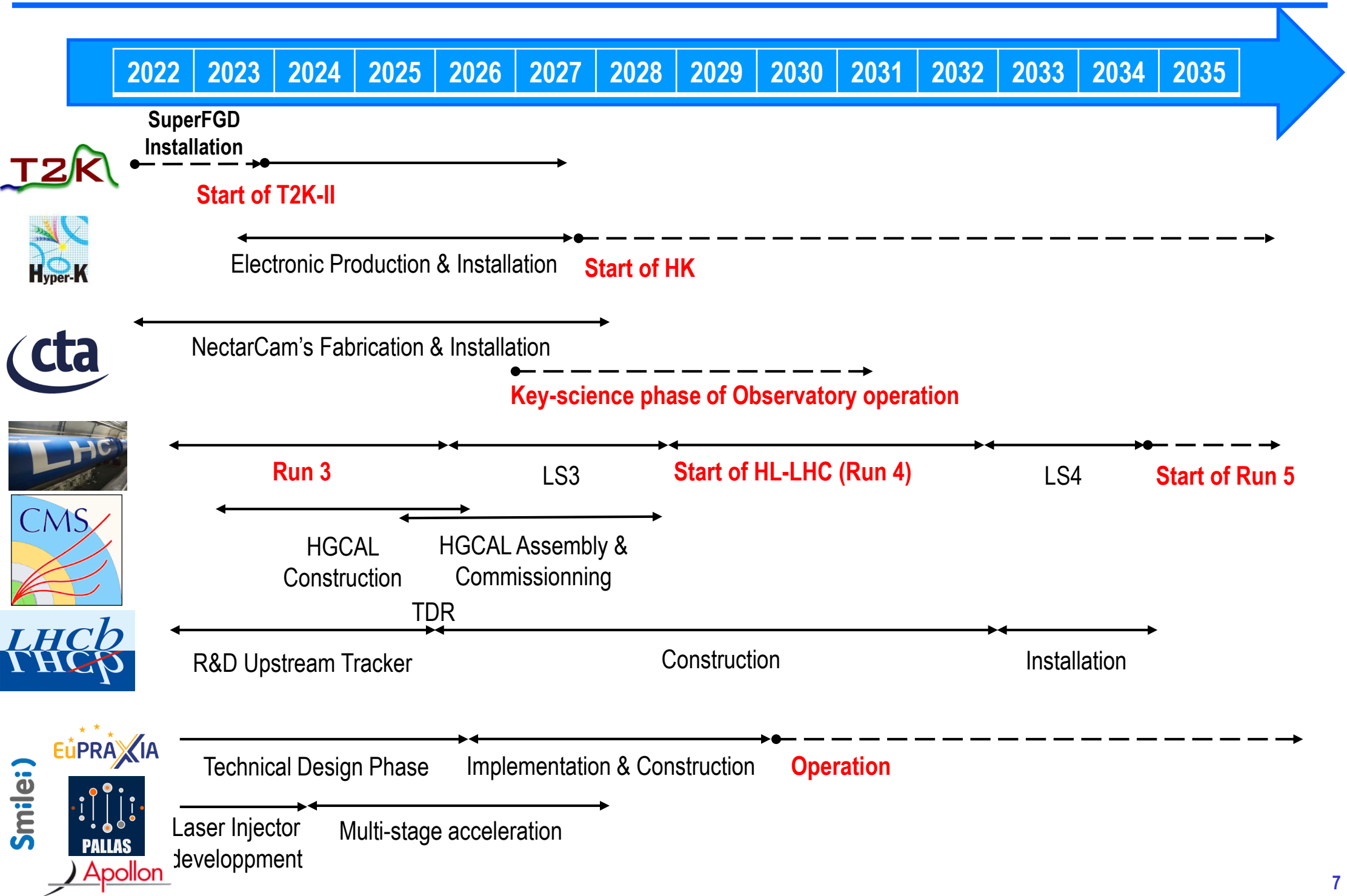
Tentative Projects Overview (with approximate schedule)



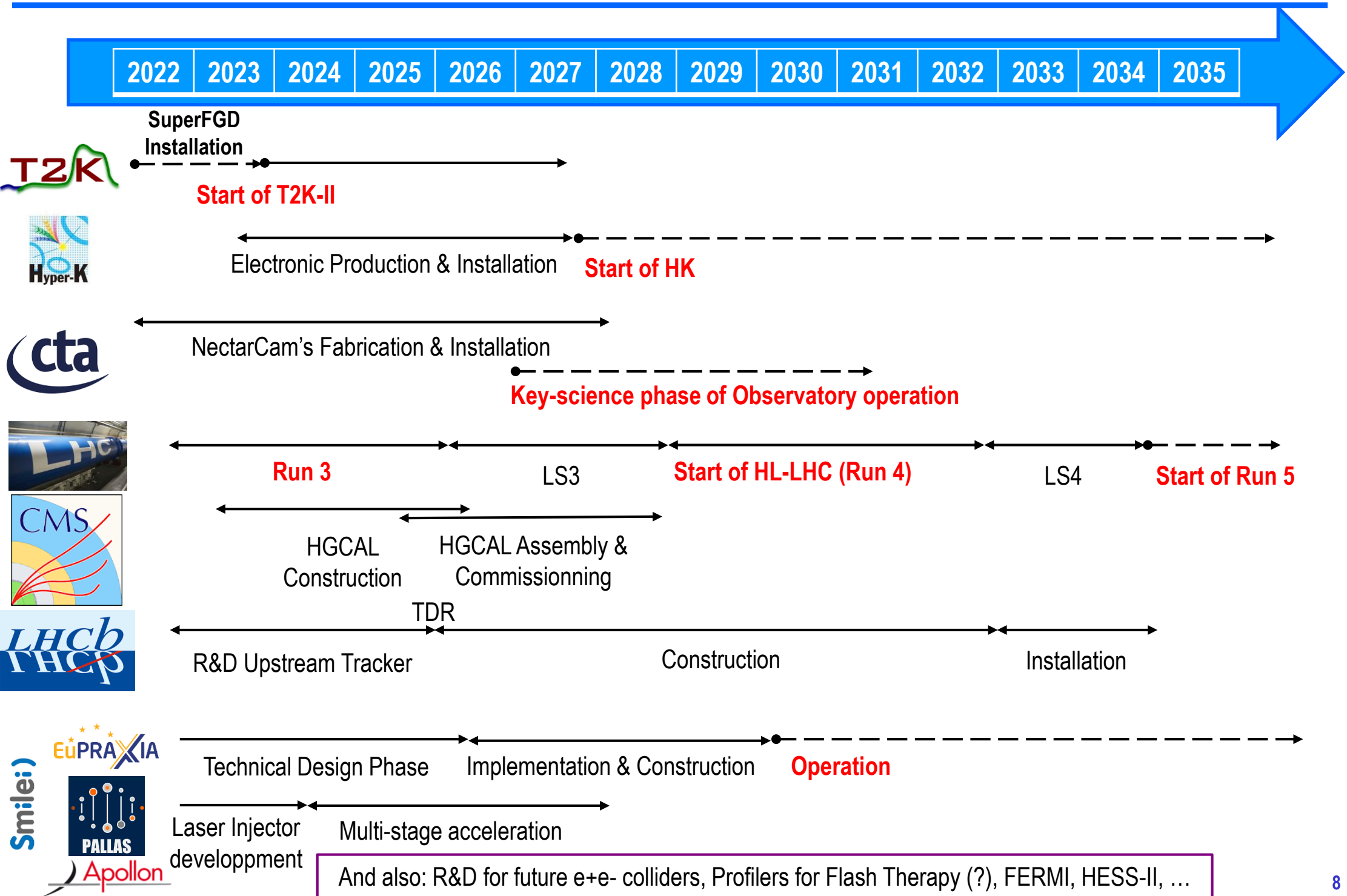
Tentative Projects Overview (with approximate schedule)



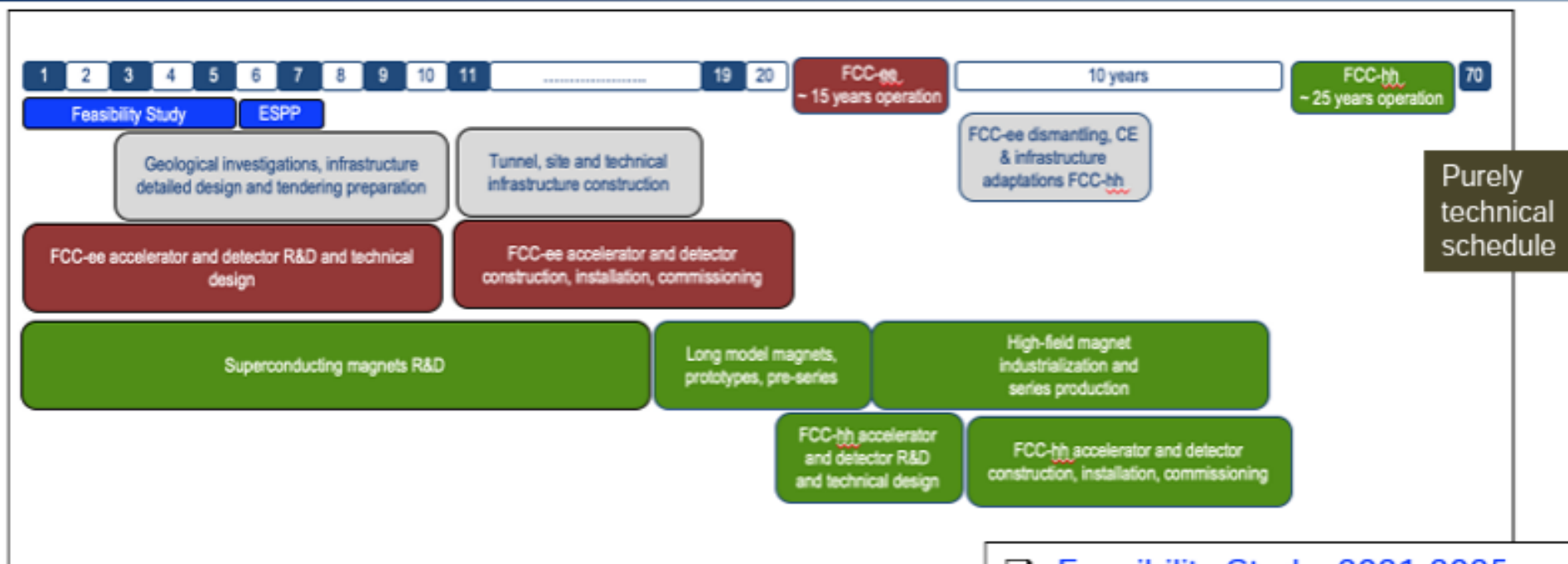
Tentative Projects Overview (with approximate schedule)



Tentative Projects Overview (with approximate schedule)



BACK UP SLIDES



	\sqrt{s}	L/IP ($\text{cm}^{-2} \text{s}^{-1}$)	Int. L/IP (ab^{-1})	Comments	
e⁺e⁻ FCC-ee	~90 GeV 160 240 ~365	Z WW H top	230 x 10 ³⁴ 28 8.5 1.5	75 5 2.5 0.8	2-4 experiments Total ~ 15 years of operation
pp FCC-hh	100 TeV	5 x 10 ³⁴ 30	20-30	2+2 experiments Total ~ 25 years of operation	
PbPb FCC-hh	$\sqrt{s_{\text{NN}}} = 39\text{TeV}$	3 x 10 ²⁹	100 nb ⁻¹ /run	1 run = 1 month operation	
ep Fcc-eh	3.5 TeV	1.5 10 ³⁴	2 ab ⁻¹	60 GeV e- from ERL Concurrent operation with pp for ~ 20 years	
e-Pb Fcc-eh	$\sqrt{s_{\text{eN}}} = 2.2 \text{ TeV}$	0.5 10 ³⁴	1 fb ⁻¹	60 GeV e- from ERL Concurrent operation with PbPb	

- Feasibility Study: 2021-2025
- If project approved before end of decade → construction can start beginning 2030s
- FCC-ee operation ~2045-2060
- FCC-hh operation ~2070-2090++