Considering the options: what to build when?

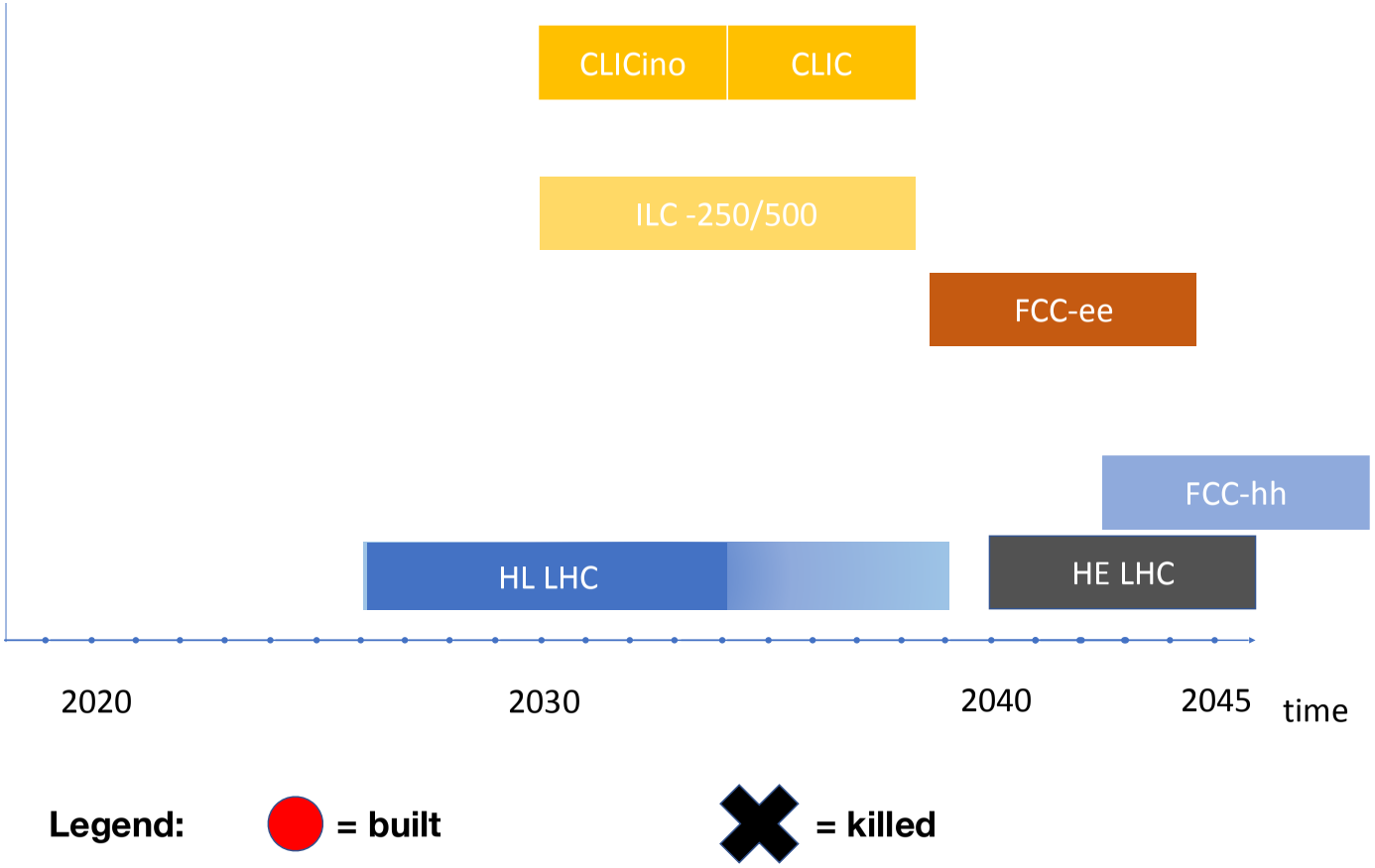
- ***Many options for future accelerators: how to decide which to build and when?***
  - HE-LHC ; FCC-ee, FCC-he, FCC-hh
  - ILC (250 /500 GeV), CLIC (380 GeV CLICino, 1.5, 3.0 TeV)
  - Which combination / sequence of construction?

    HE-LHC —> FCC-hh versus
    HE-LHC —> FCC-ee —> FCC-hh versus
    FCC-ee —> FCC-hh
    CLICino —> HE-LHC —> Muon collider G. Dissertori

  - What scenarios are 'realistic', 'feasible', 'dangerous' …?
  - How would construction of ILC in Japan or Chinese colliders impact plans for future collider at CERN?

➢ *Depends on **IPPP: Innovation, Physics, Price & Politics:***

Considering the options: what to build when?



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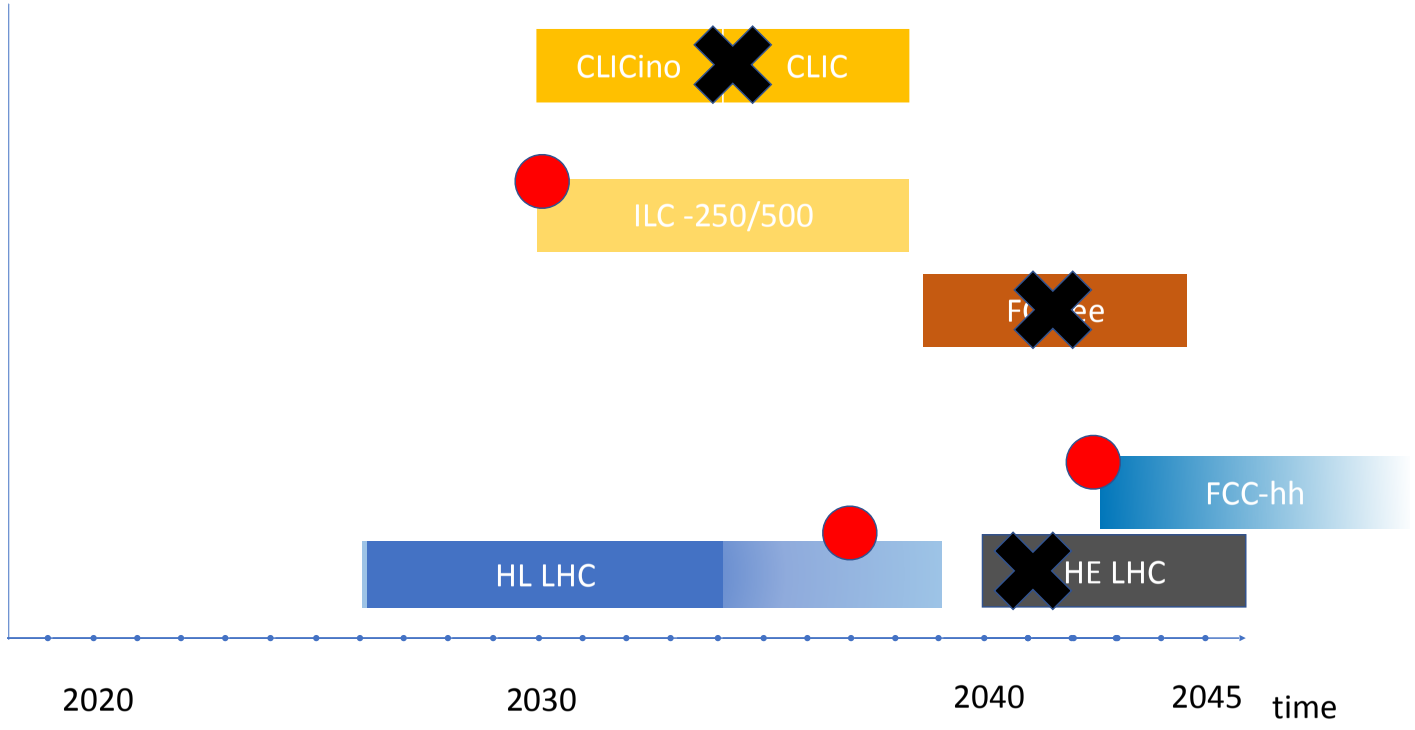
Considering the options: what to build when?

Scenario 1a: ILC + FCC-hh



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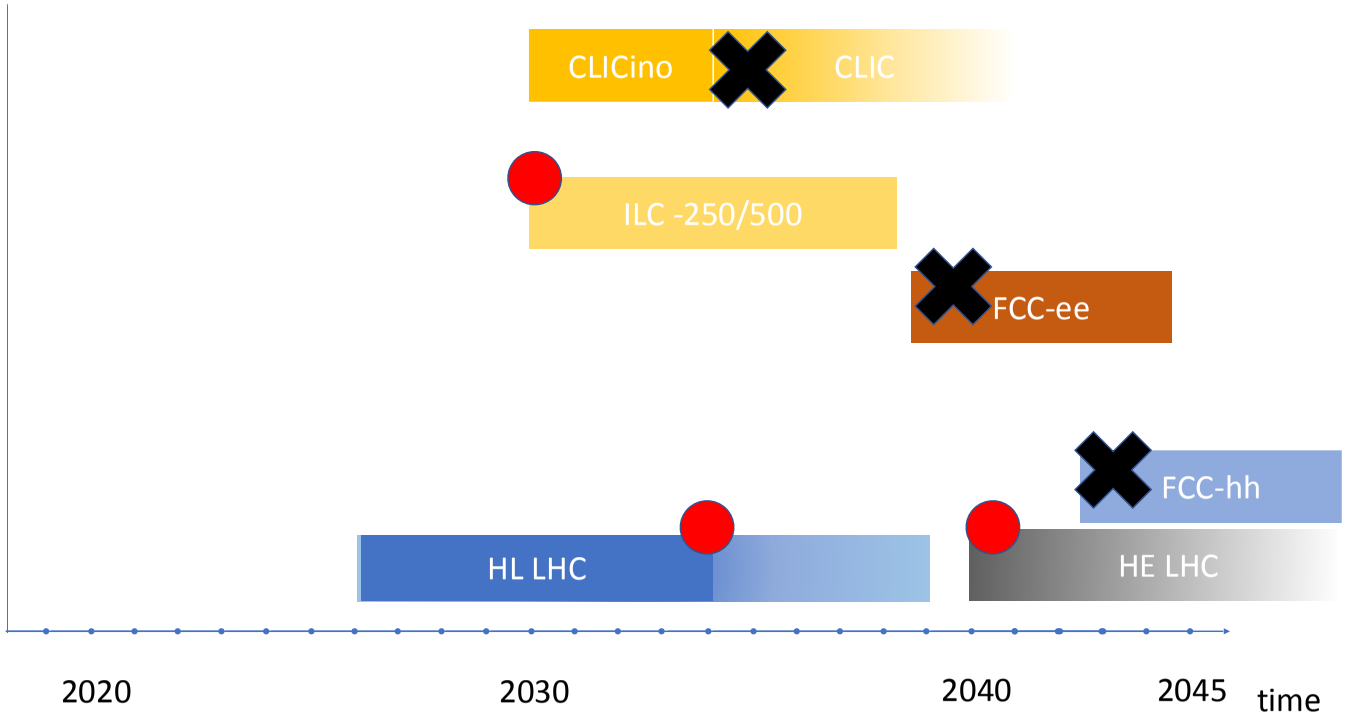
Considering the options: what to build when?

Scenario 1b: ILC + HE-LHC



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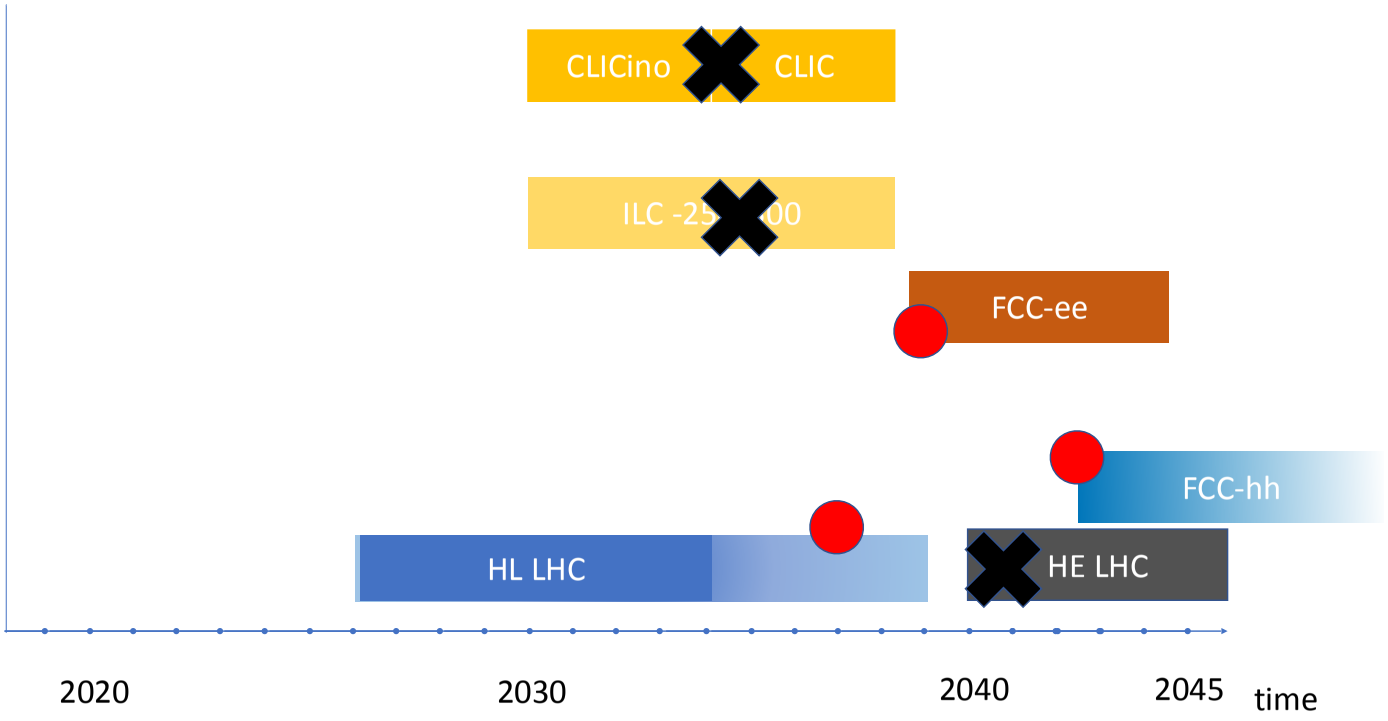
Considering the options: what to build when?

Scenario 2a: FCC-ee + FCC-hh



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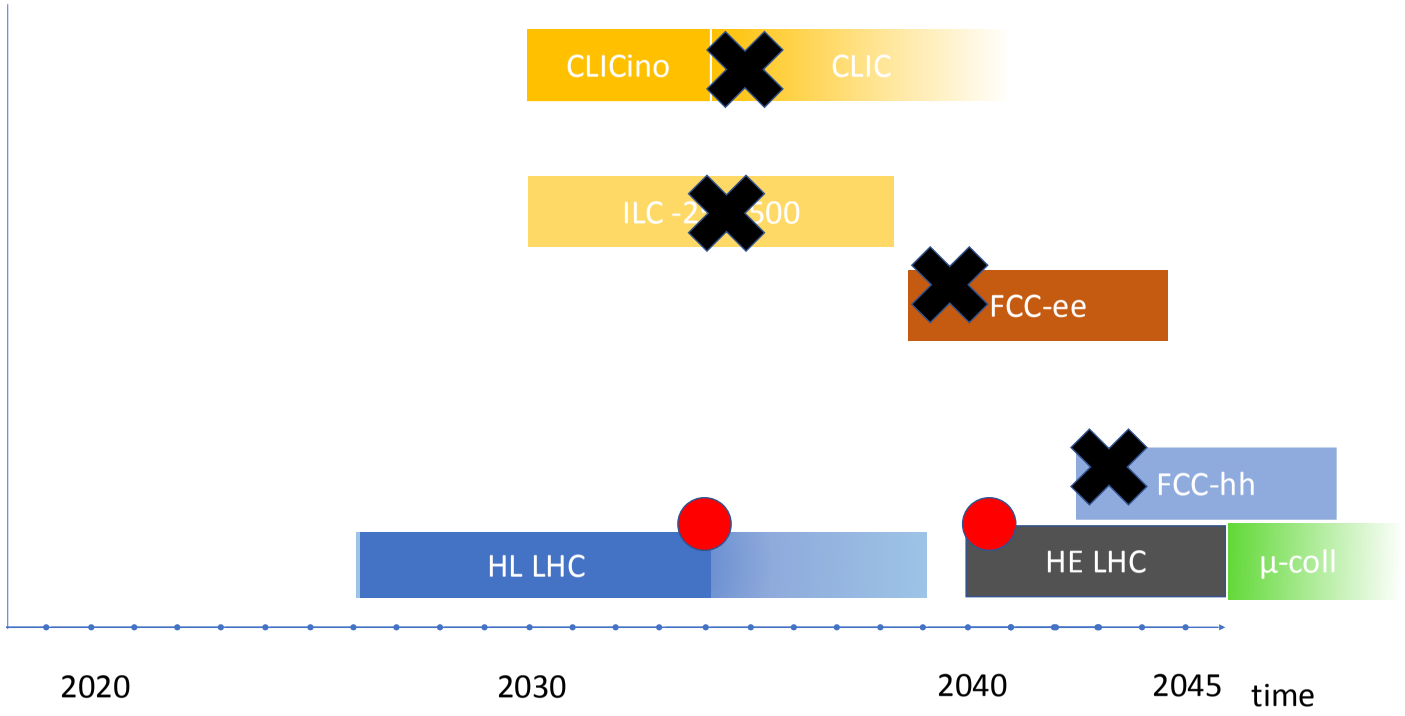
Scenario 2b: HE-LHC + mu-C



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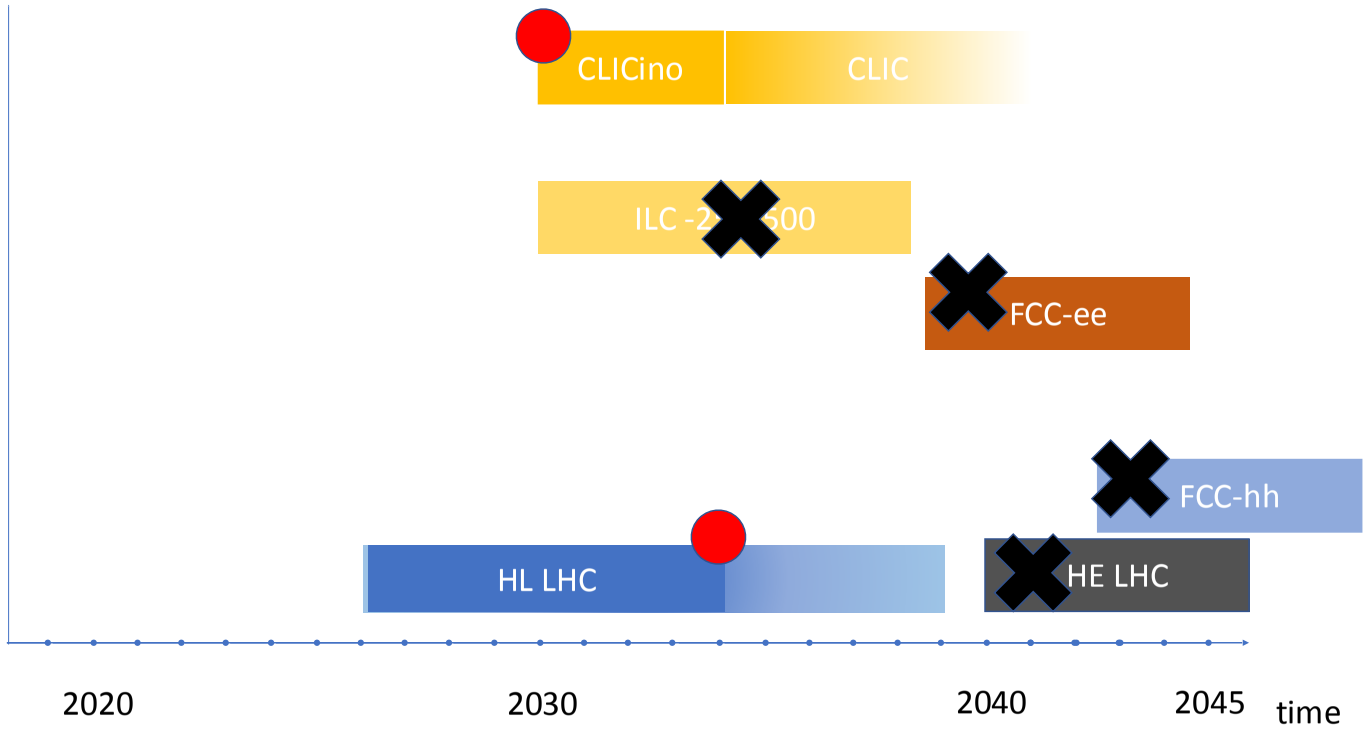
Considering the options: what to build when?

Scenario 2c: CLIC



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