

Concluding Remarks



Great progress since these photographs were taken (February 2017), albeit the hall is still empty. Andrew Hutton at that meeting: “This will take a little longer than we hope, but it will happen.”

Max Klein, PERLE Collaboration Meeting, online, 12.1.2022

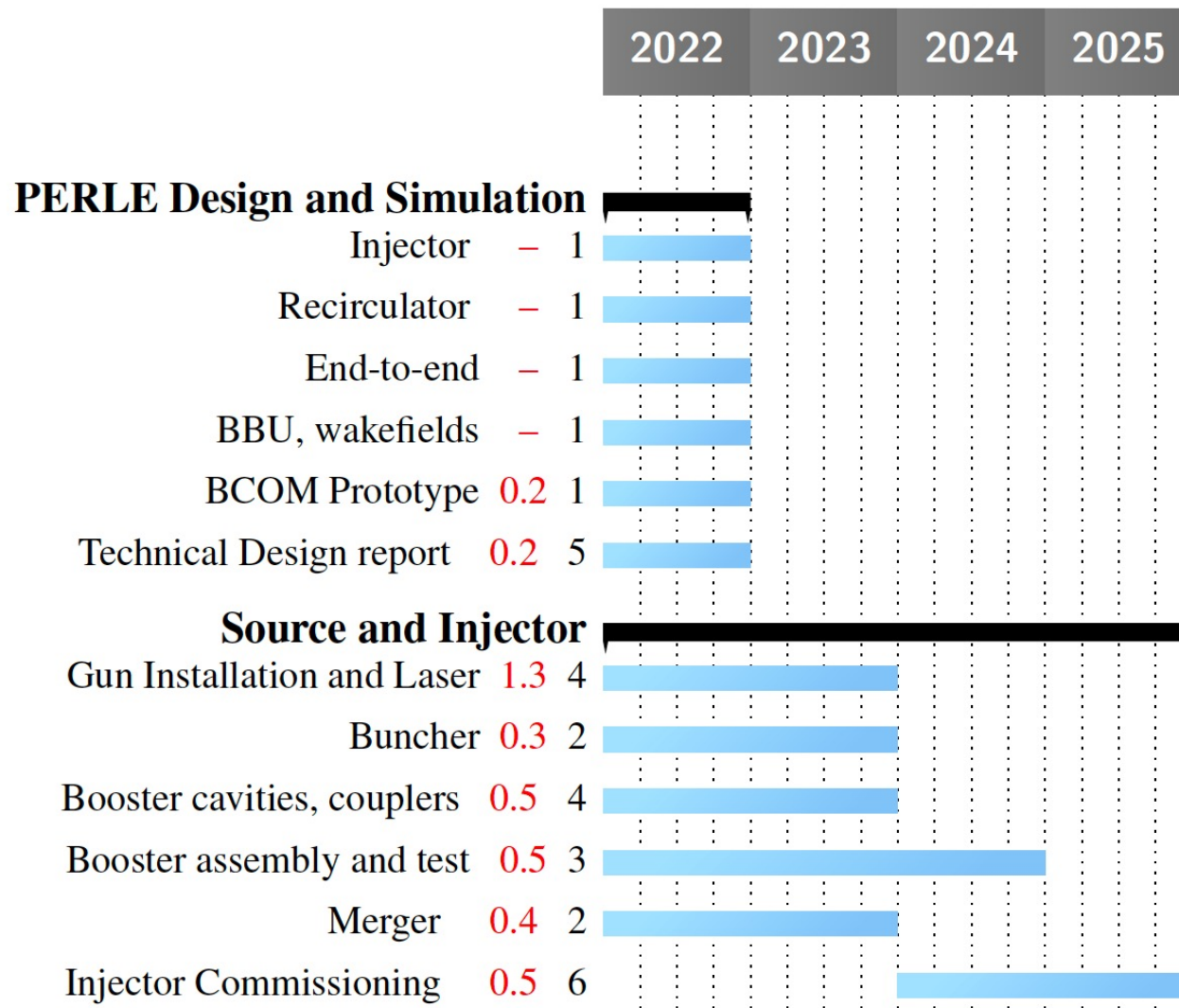


Fig. 6.9: The path to the PERLE technical design report and commissioning of the injector. Resources required are 3.9 MCHF (red), 31 FTEy (black).

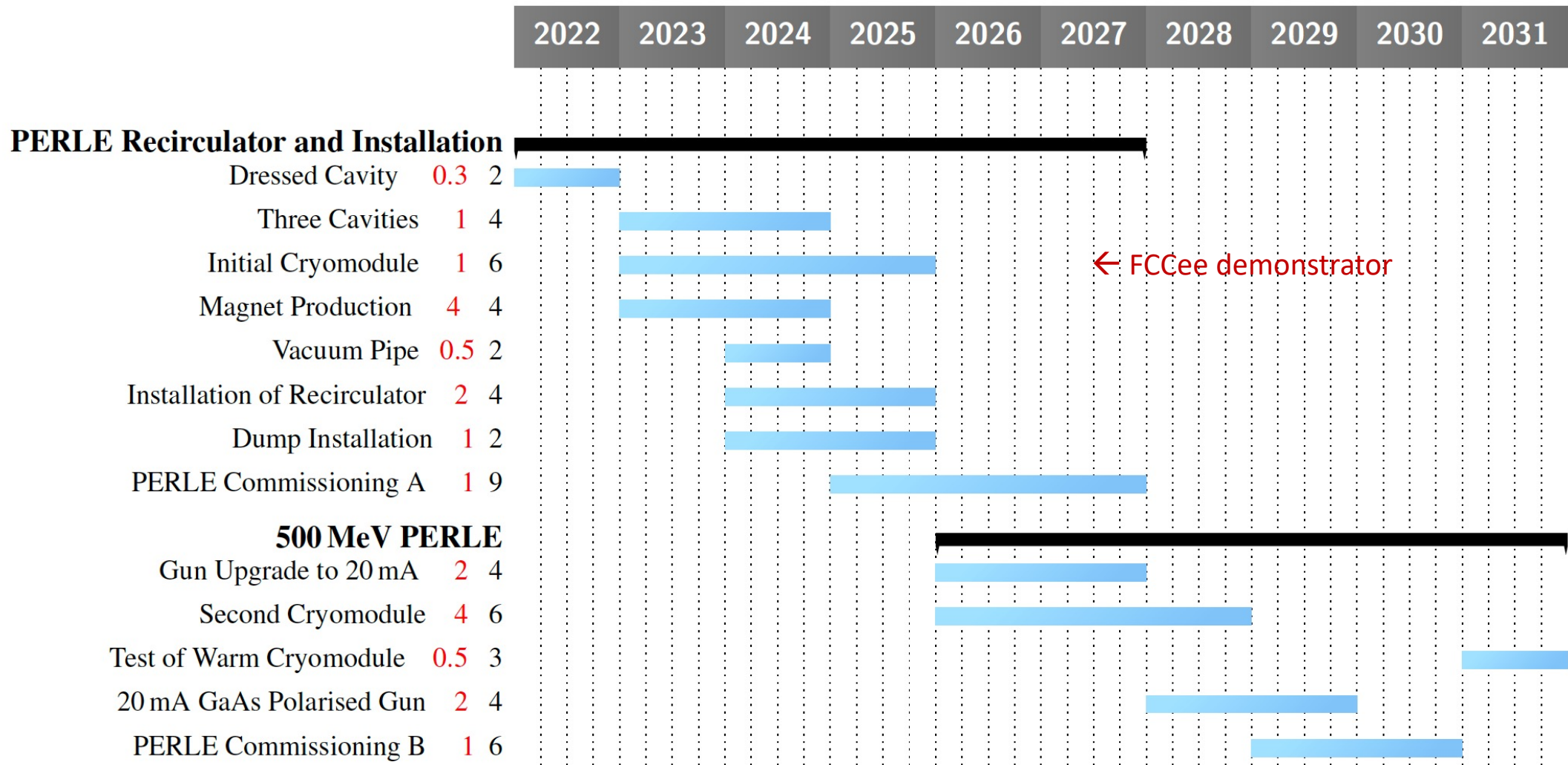
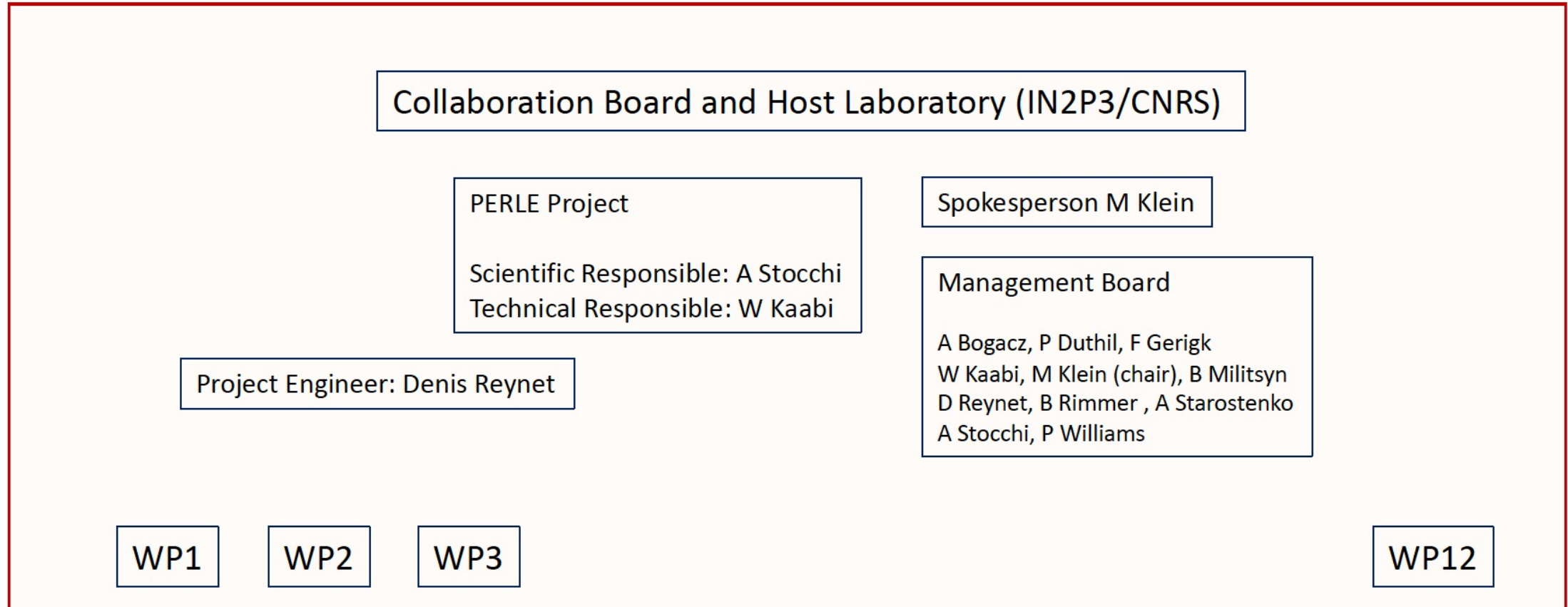


Fig. 6.10: PERLE completion in two steps: The 250 MeV phase with beam in the mid-twenties (**ERL.PER.PE1**); and the 500 MeV stage towards the end of the decade (**ERL.PER.PE2**). Resources for the first part, including funding of the TDR and injector phase: 14.6 MCHF (red), 64 FTEy (black). Resources for the 500 MeV stage: 9.5 MCHF, 23 FTEy.

Organisation



Have agreed on a much tighter organisation: weekly meetings at IJCLab, MB meeting every 4-6 weeks, MB for: monitoring WP progress, involving the full Collaboration, closing gaps (eg. on instrumentation), .. Plenary collaboration meetings: Four in 2022 – tentatively 21/22.April 2022 next meeting. CB: 3 x /year

Comments

- Many colleagues of IJCLab and LPSC Grenoble recently joined: A cordial welcome to all new members of PERLE
- Plenary Collaboration Meetings this year: end of April/May, mid September, early December
- “Elder” members of PERLE recall we had made similar plans before. What is different now:
 - Time has moved on and the value of having PERLE has not decreased, rather the opposite
 - Technology developed further (with our 802 MHz cavity prototype as a highlight)
 - ERL has been recognised as one of the key technologies for future HEP accelerators
 - PERLE Collaboration has now been founded, by all who were present in 17 and new institutions coming in
 - Detailed design simulations have confirmed the concept: injector and racetrack lattice and optics.
 - We now believe that the 3 crucial elements - gun, booster and linac cryomodules - can be used (in kind)
 - Much better understanding for implementation, WP structure in place.
 - Dec 21: national strategy CNRS/IN2P3/IJCLab have selected PERLE as an accelerator priority project
- Harder than before, we now are indeed expected to deliver: TDR, PERLE 250 mid twenties, PERLE 500
- The time is short but we have all to use it well, recall: 2mile e LINAC at SLAC was built in 3 years, HERA in 8
- Thanks for many contributions to the meeting, active participation and the constructive, friendly atmosphere .

“Yes, we can”.