

Training reduction milestones and status

MDP Meeting
September 14, 2022

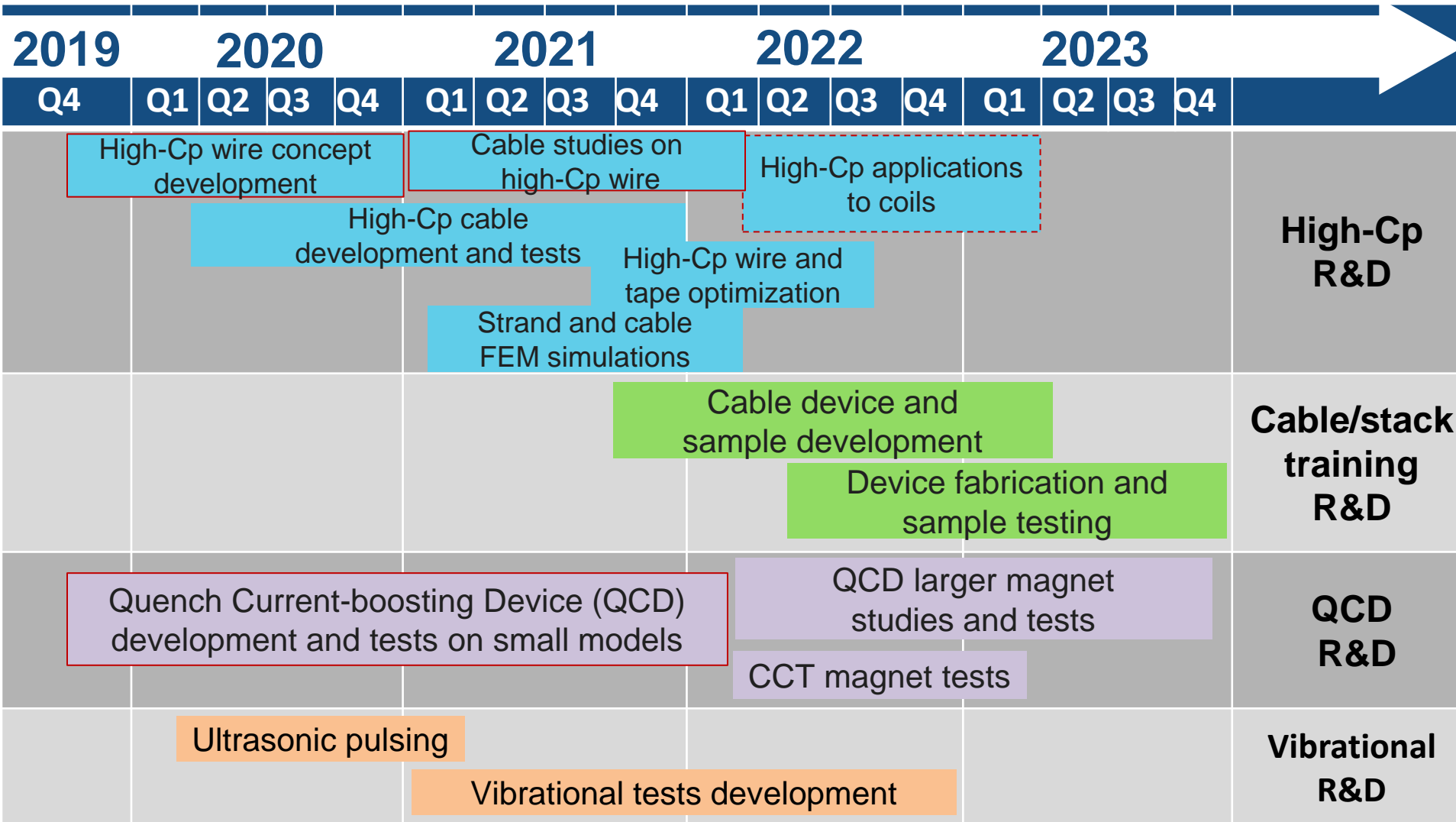
Emanuela B., Maxim M., Xingchen X., Stoyan S.

Fermi National Accelerator Laboratory

Lawrence Berkeley National Lab

US Magnet Development Program

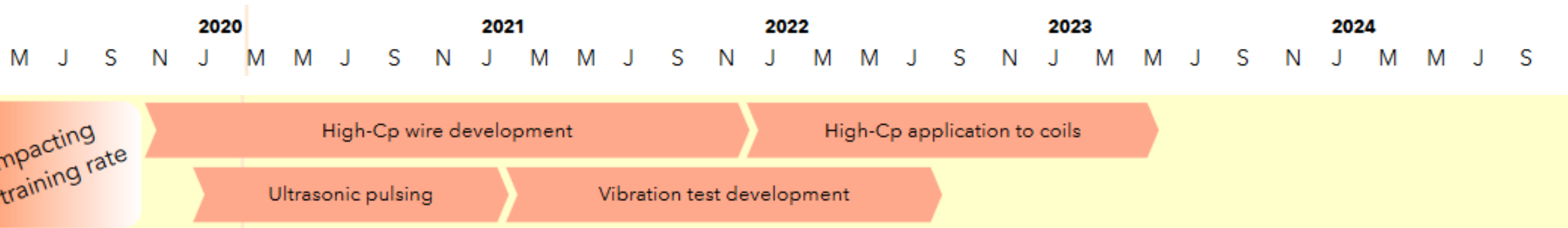
Training reduction topics (as presented in 2020)



In red border lines – independent funding

Official training reduction roadmap

Roadmap as in the official document:



<https://science.osti.gov/hep/Community-Resources/Reports>
MDP roadmap there

Updated milestones

Milestone #	Description	Target	Status *	Updated Target	Requestor	Comments
AIIIe-M1	Commissioning of QCD	May-21	Done		S. Stoynev	
AIIIe-M2	First Ultrasound based test	May-21	Not started	Dec-23	S. Stoynev	We cannot secure the desired ultrasound-machine and will have another solution, this may/will have to be integrated with "vibrational methods" (see later milestones)
AIIIe-M3	First high-Cp cable fabrication	Sep-21	Not started	n/a	E. Barzi	Target dates cannot be provided without allocated resources
AIIIe-M4	First magnet test with QCD	Sep-21	Done		S. Stoynev	
AIIIe-M5	Results from High-Cp cable studies	Dec-21	In progress	n/a	E. Barzi	Target dates cannot be provided without allocated resources
AIIIe-M6	Optimized strand and cable FEM simulations	Dec-21	Not started	n/a	E. Barzi	Target dates cannot be provided without allocated resources
AIIIe-M7	First CCT test with QCD	Feb-22	Not started	Apr-23	S. Stoynev	Delay caused by earlier QCD delays and test stand availability
AIIIe-M8	High-Cp wire and tape optimized versions	May-22	Obsolete		S. Stoynev	We are splitting this milestone
AIIIe-M8a	High-Cp wire optimized versions	May-22	In progress	Jun-23	X. Xu	Delay due to COVID-related factors
AIIIe-M8b	High-Cp tape optimized versions	May-22	In progress	n/a	E. Barzi	Target dates cannot be provided without allocated resources
AIIIe-M9	Fabrication of first coil with High-Cp conductor	Sep-22	Not started	n/a	X. Xu	Schedule is hard to predict as it involves many efforts from cabling, coil fabrication, etc.
AIIIe-M10	Design of a dedicated device/technique using vibrational methods	Sep-22	Not started	Sep-23	S. Stoynev	Lack of support shifts the focus
AIIIe-M11	Design of a "cable/stack" testing device and samples	Jan-23	Not started	Jun-23	S. Stoynev	General delay (other tasks)
AIIIe-M12	QCD preparations and test on a large magnet	Feb-23	Not started	n/a	S. Stoynev	This depends on AUP willingness to use QCD, it is not given
AIIIe-M13	Fabrication of a "cable/stack" testing device	Sep-23	Not started	Apr-24	S. Stoynev	General delay (other tasks)