



# SUMMARY OF LINAC FOCUSED DISCUSSIONS

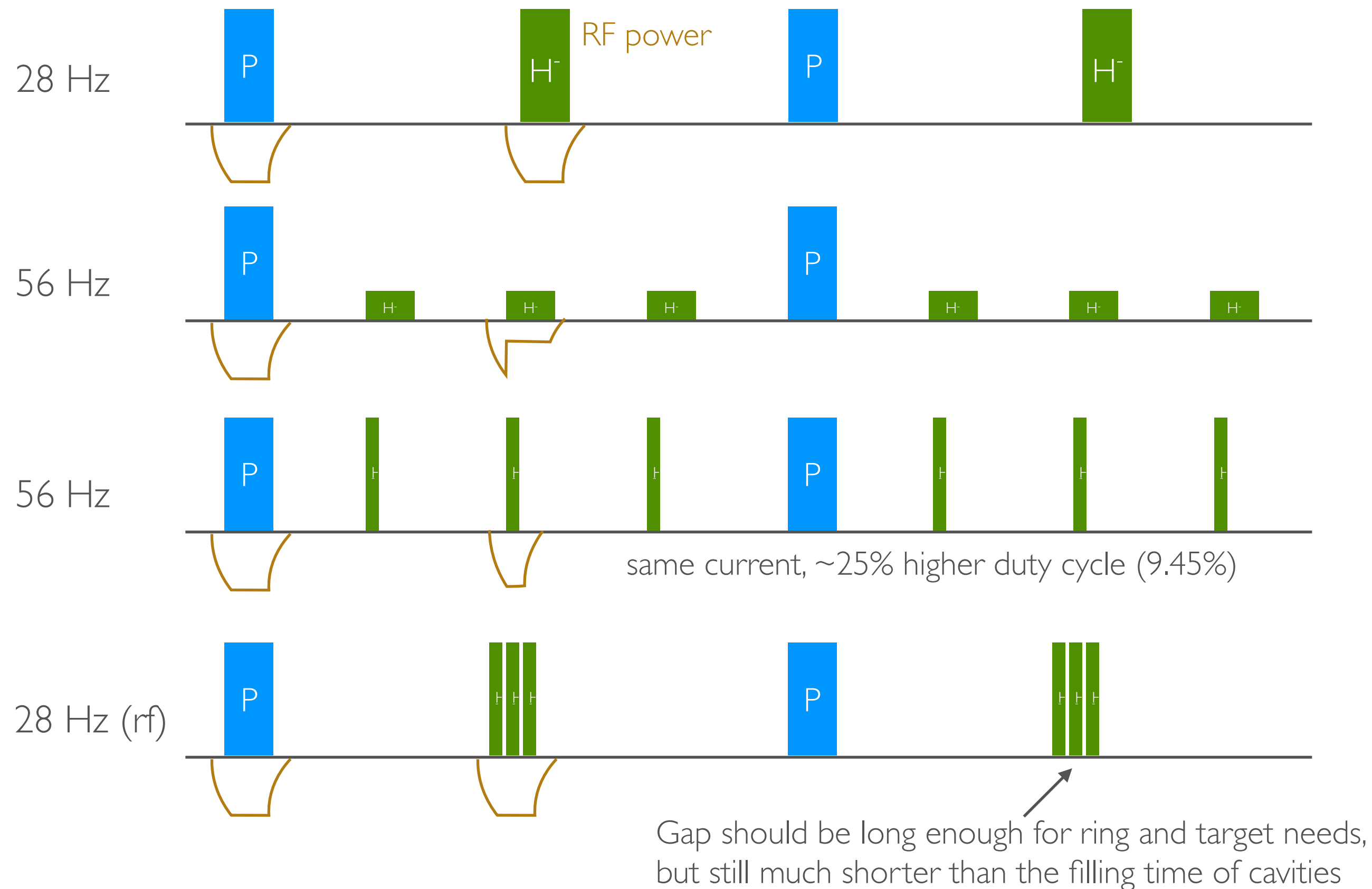
Mamad Eshraqi,

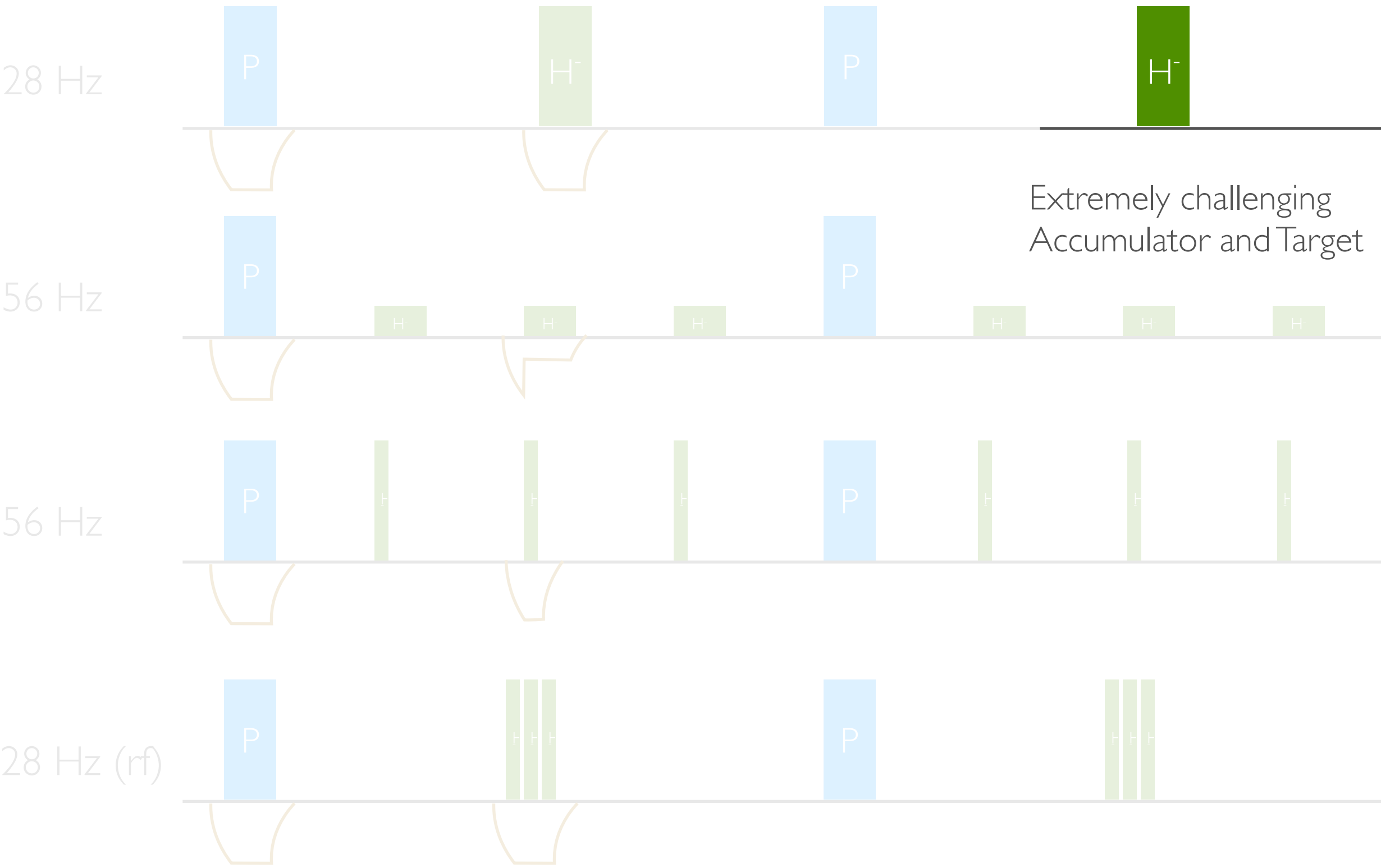
On behalf of Björn Gålnander, Elena Wildner, Elia Bouquerel, Maja Olvegård, Ye Zou

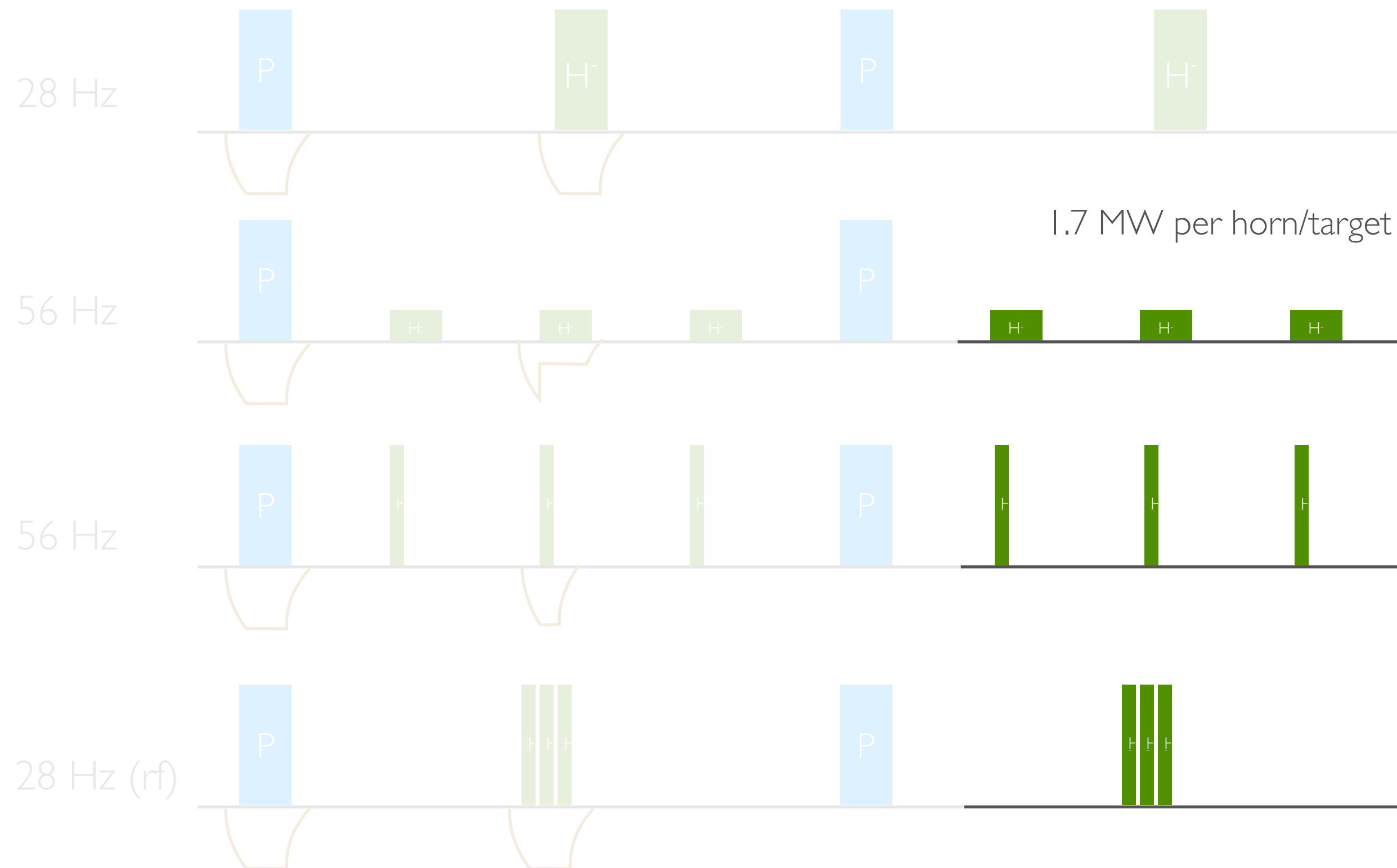
With input from the advisory committee: Jingyu Tang, Shinji Machida

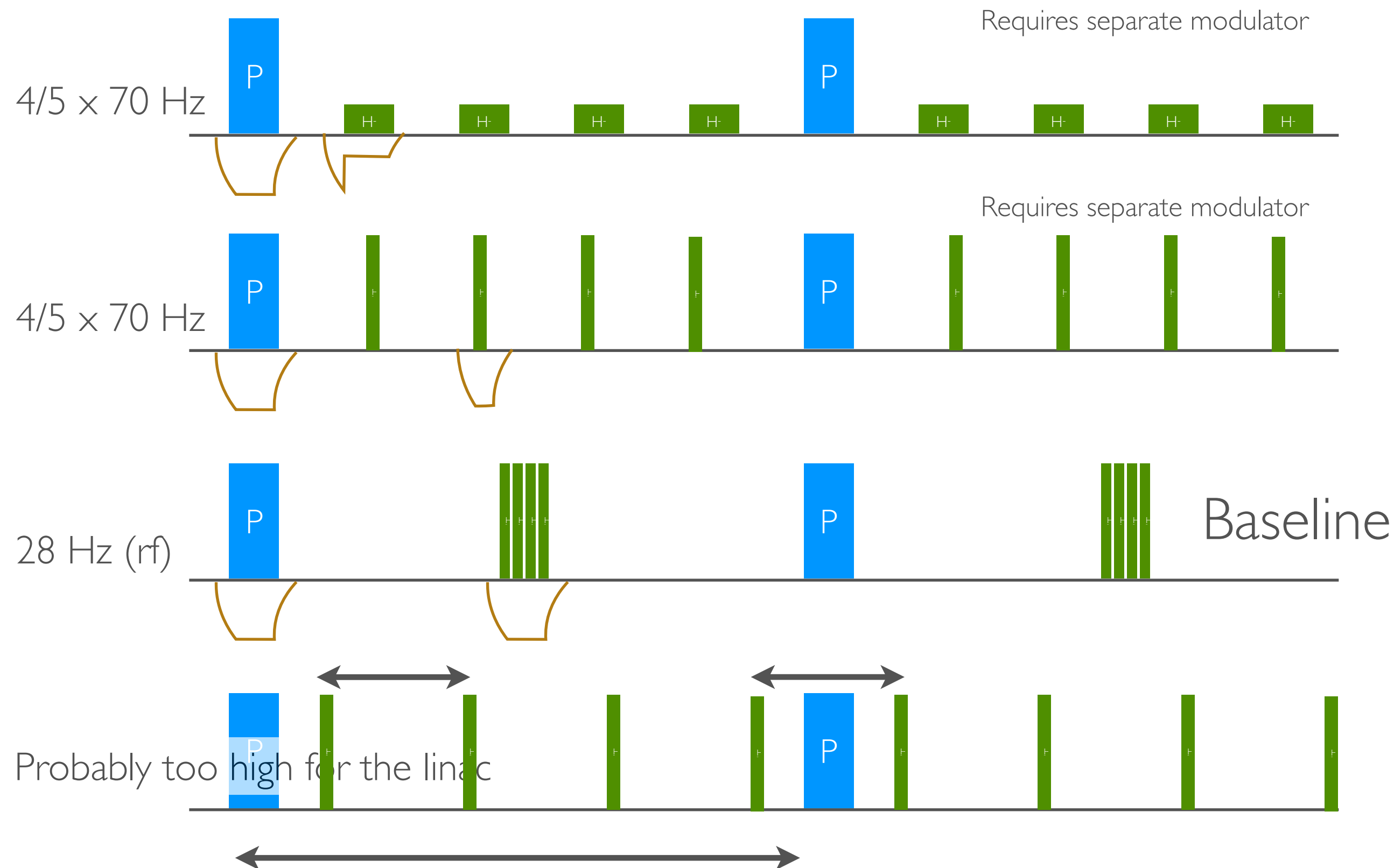
2018 Nov 08

	IS+LEBT	RFQ	MEBT	DTL	Spoke	Medium beta	High beta	High beta+
<b>New device</b>	New	~New	~New	—	—	—	—	New
<b>Cooling</b>	—	Additional	Additional	Additional	Additional	Additional	Additional	
<b>Tunnel</b>	Device capacity / pipes / temperature				Cryo-line/Cryomodule/Coupler/Waveguide			
<b>Gallery</b>	Cooling skids / Klystron cooling / pipes				Klystron cooling / pipes / skids?			New
<b>RF</b>	—	Additional	Additional	Additional	Additional	Additional	Additional	
		Klystron	Amplifier	Klystron	Tubes / LLRF			Klystron
		Modulator	PC	Modulator	Modulator / Power converters			Modulator
<b>Cryo</b>	—	—	—	—	Additional	Additional	Additional	
					Cryoline / Cryo plant			
<b>Magnets</b>	Partially	—	Partially	—	Corrector			

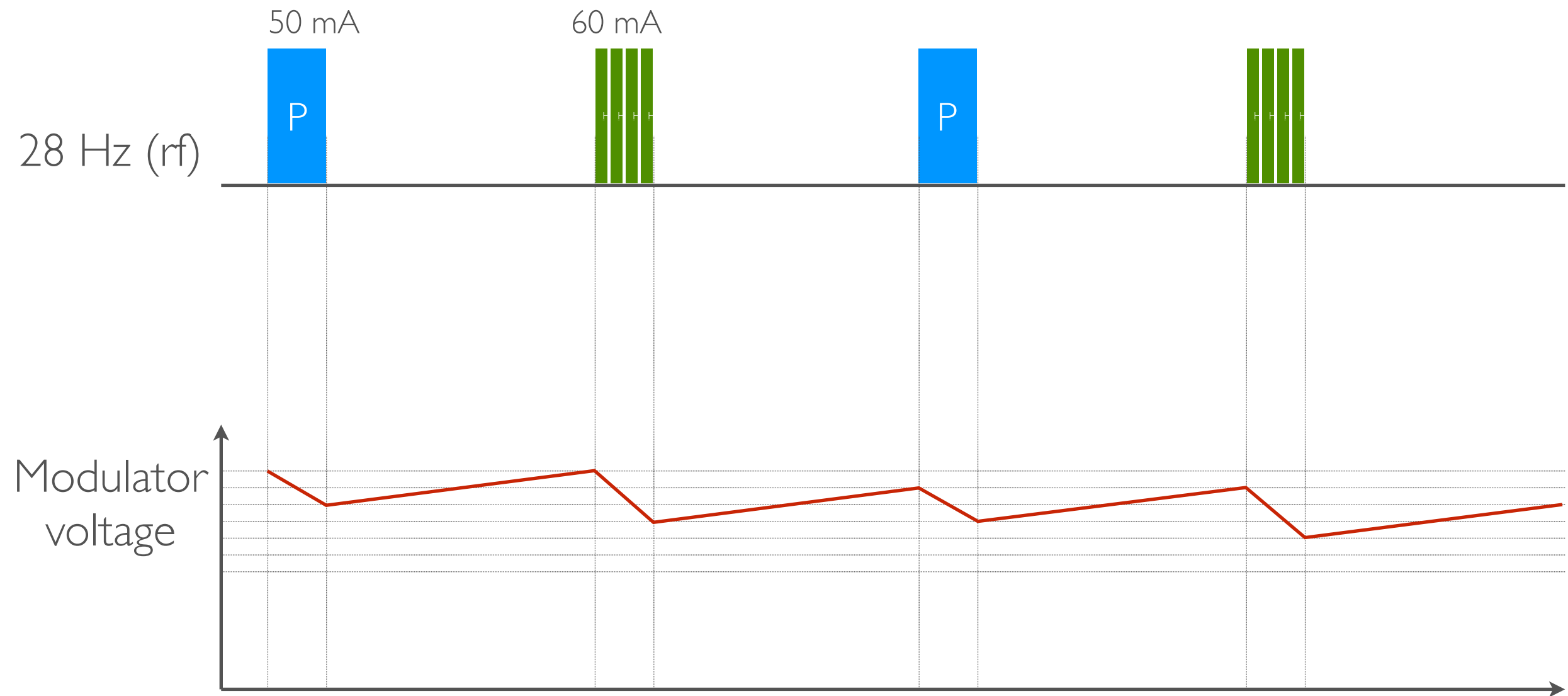




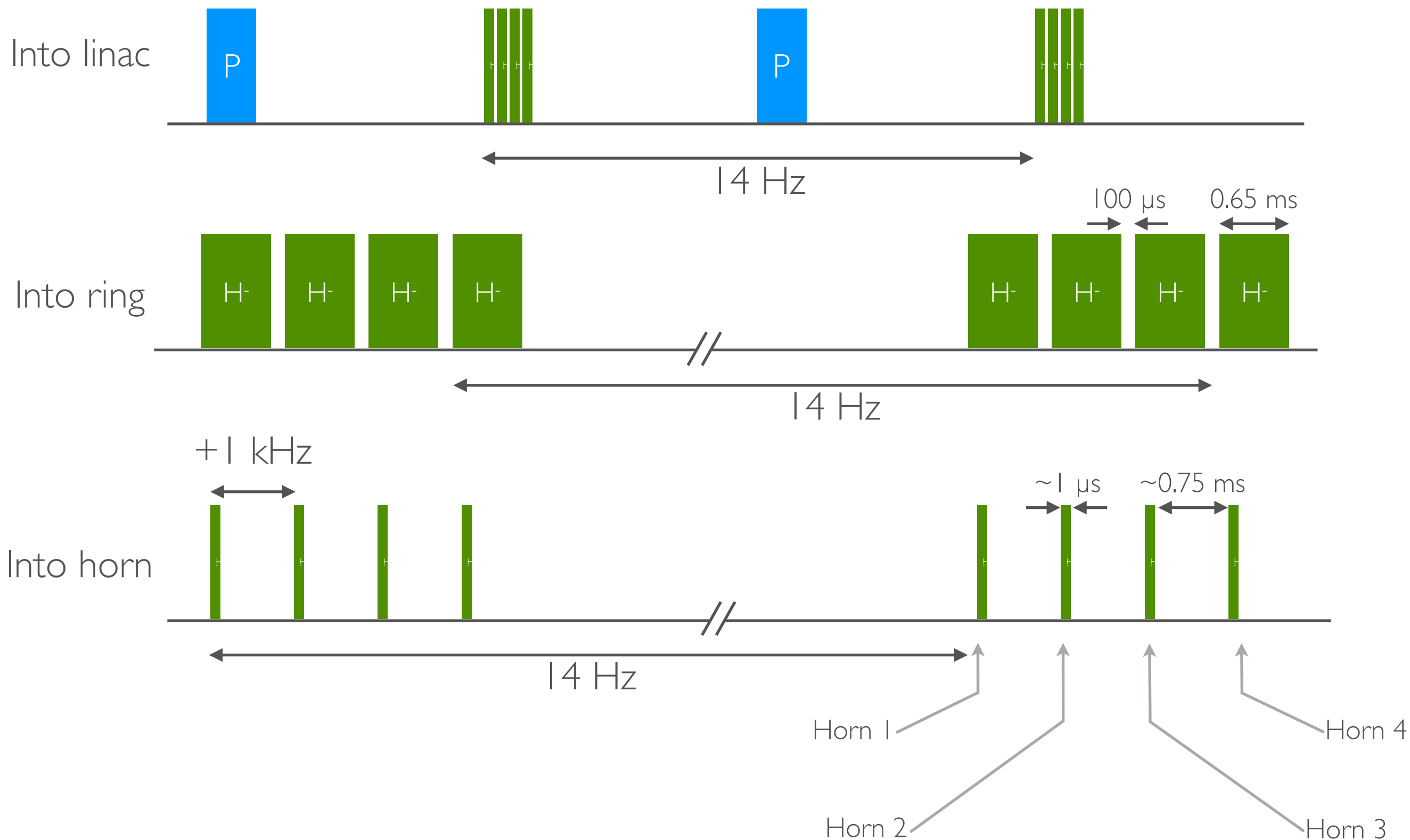




<b>2.86 ms @ 2 GeV</b>	<b>x 10<sup>14</sup></b>	<b>11.5</b>
<b>2.86 ms @ 2.5 GeV</b>	<b>x 10<sup>14</sup></b>	<b>9.2</b>
<i>3x100 <math>\mu</math>s Inj. gap (2.9 ms)</i>	<i>x 10<sup>14</sup></i>	<i>10.3</i>
<i>100/1350 ns Ext. gap</i>	<i>x 10<sup>14</sup></i>	<i>11.1</i>
<b>Equiv. Linac Current</b>	<b>mA</b>	<b>60.2</b>
<b>Per batch</b>	<b>x 10<sup>14</sup></b>	<b>2.8</b>









THANK YOU!