Group C: Pseudo Single Bunch

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A few guiding questions for the Group Discussion and Summary on Pseudo Single Bunch

- What is possible to achieve with present technology? What is the present limitations for decreasing the pulse length of the kicker?
- How are the users affected by a kick in the vertical plane? Are there possible solutions for this that can be done at the beamlines?
- Do users have prefer excitation in vertical or horisontal plane? Do users benefit from the current vertical excitation?
- Is there a substantial advantage/disadvantage in having the electrodes firmly attached to the vacuum chamber vs. enclosing the electrodes and their supporting structure in a separate vacuum vessel?
- What would be required to implement a PSB solution at the MAX IV rings? Is one ring clearly more suitable than the other for this solution? If so, is this motivated by the science case or technical issue on the machine side?
- Would one gain considerably in flexibility/versatility by using two (or more) PSB kickers together or does the added complexity and synchronization effort outweigh any potential gain?