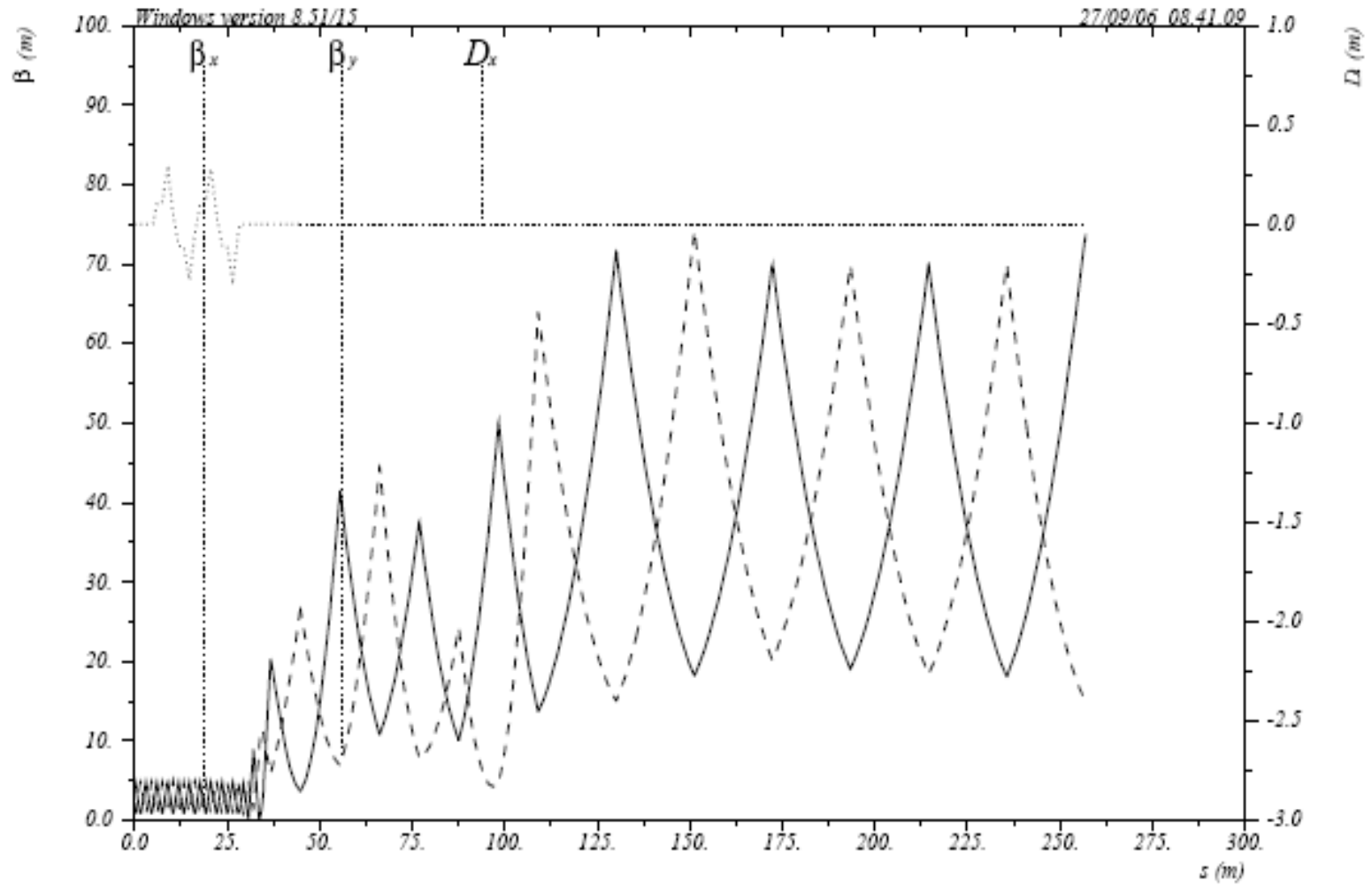




\*LIN.01\*



# Initial thoughts

- 10-MeV optics to connect with CM is preliminary done (w/o 2 pre-acceleration section); it needs a quad in between 2<sup>nd</sup> and 3<sup>rd</sup> cavity in 1<sup>st</sup> CM. Still need space charge tracking to confirm beam performance.
- My personal opinion: removing one pre-acceleration section is feasible so that we have 45 MeV to connect with CM. What is the cost of one acceleration section?
- When we design another TW buncher to have beam energy ~20-25 MeV, I think to remove both acceleration sections may be feasible.