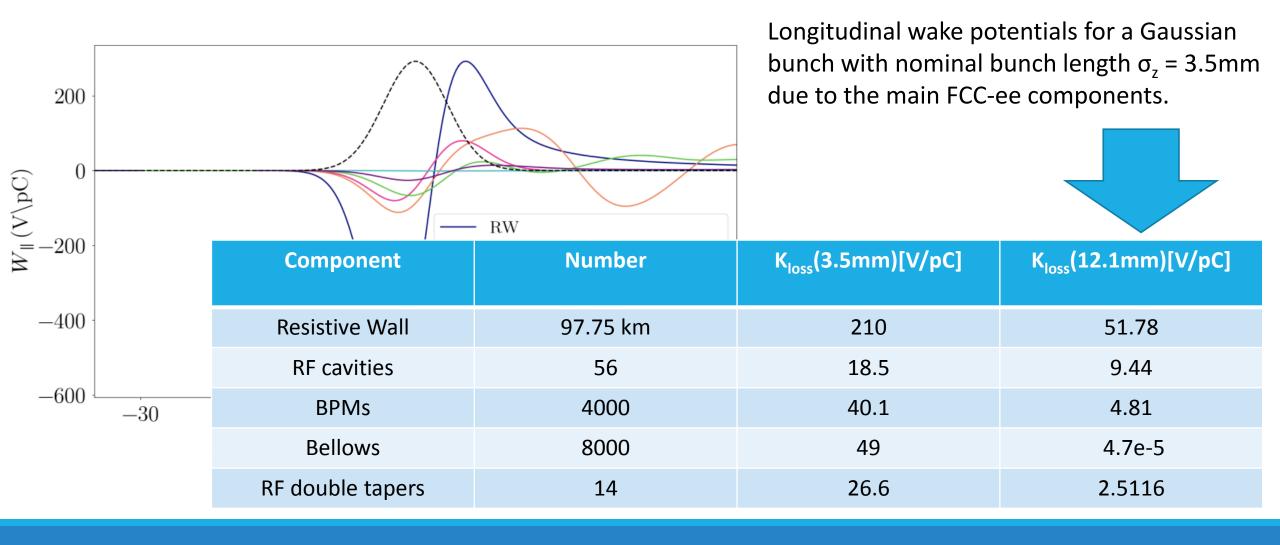




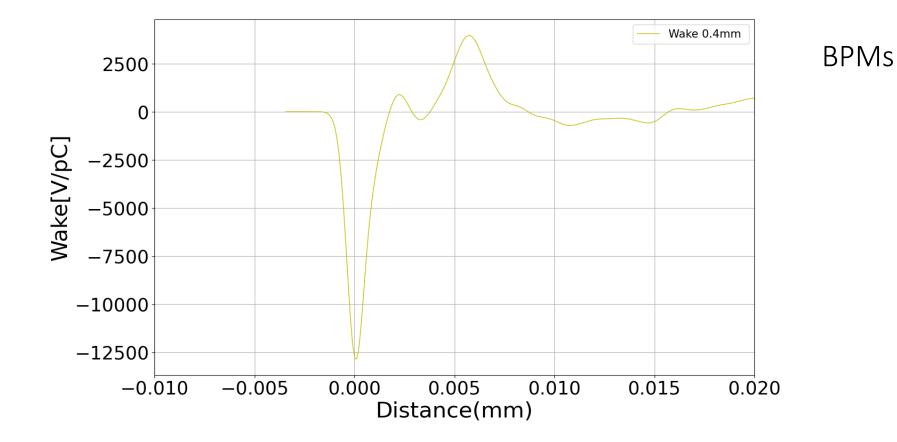
PyHT results and the Impedance model of Future Circle Collider (FCCee)

E. CARIDEO, D. DE ARCANGELIS, M. MIGLIORATI, Y. ZHANG, M. ZOBOV

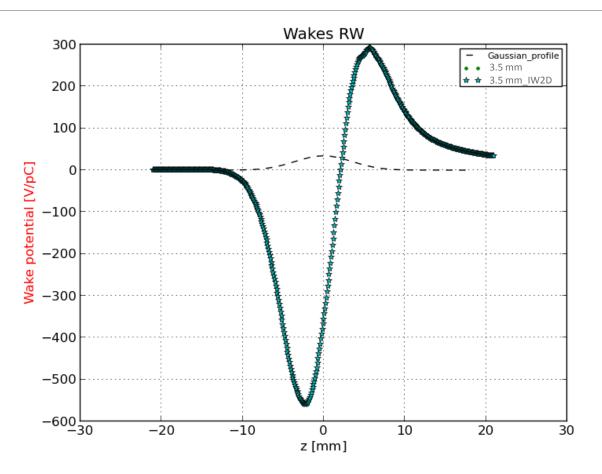
Impedance Sources (PyHT simulations)



Wake potential of 0.4mm bunch length used as input for PyHT.

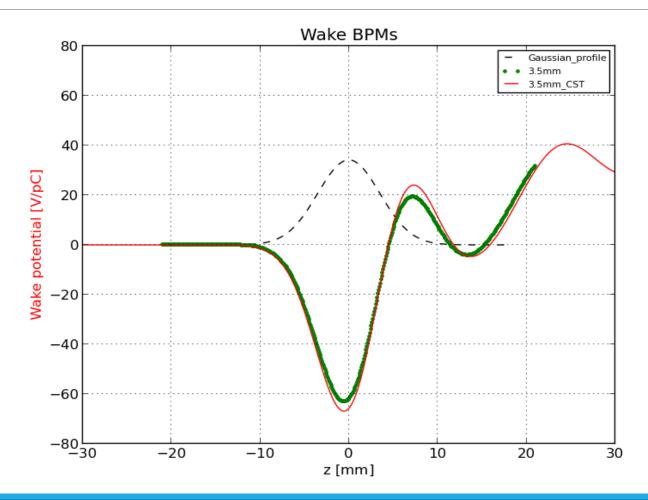


Comparison of the wake potential of 3.5 mm bunch length between PyHT and IW2D: Resistive Wall

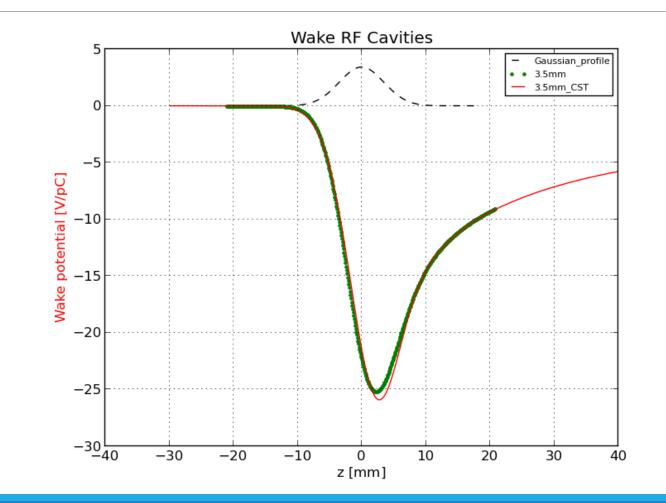


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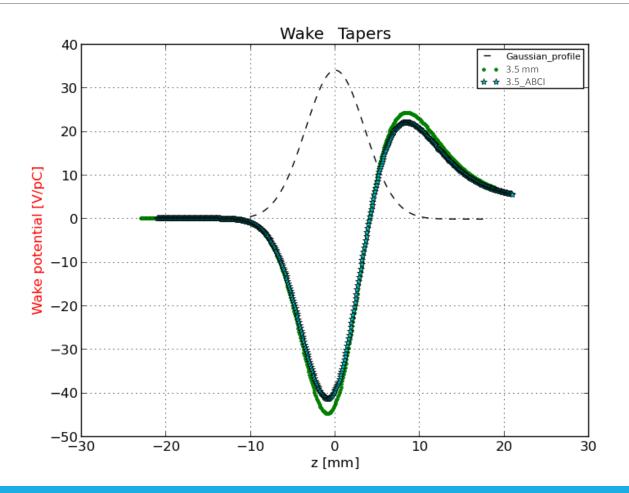
Comparison of the wake potential of 3.5 mm bunch length between PyHT and CST: BPMs

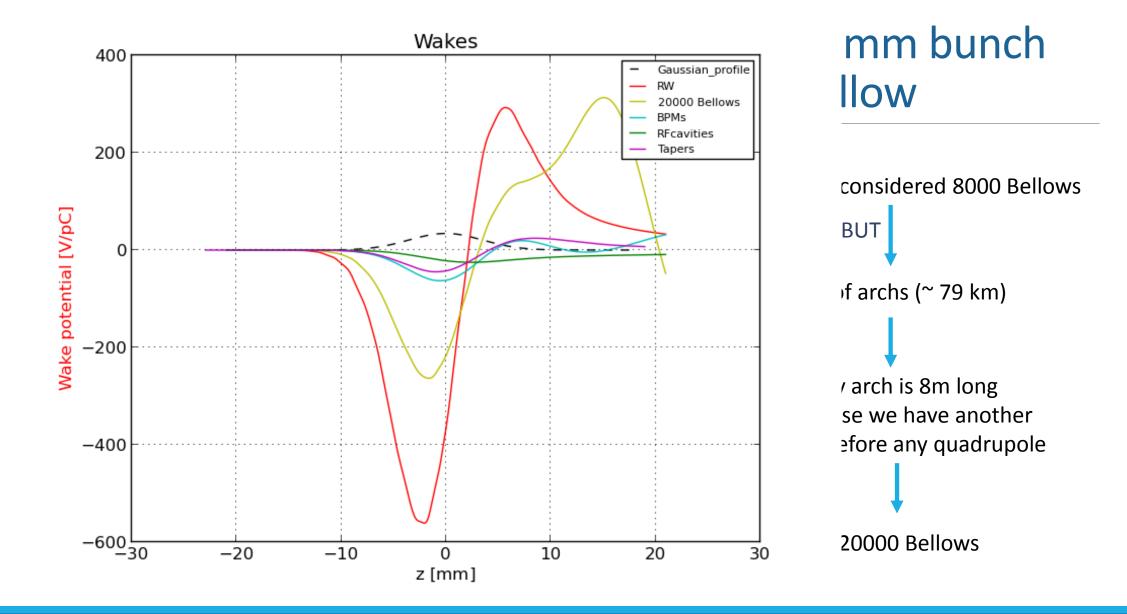


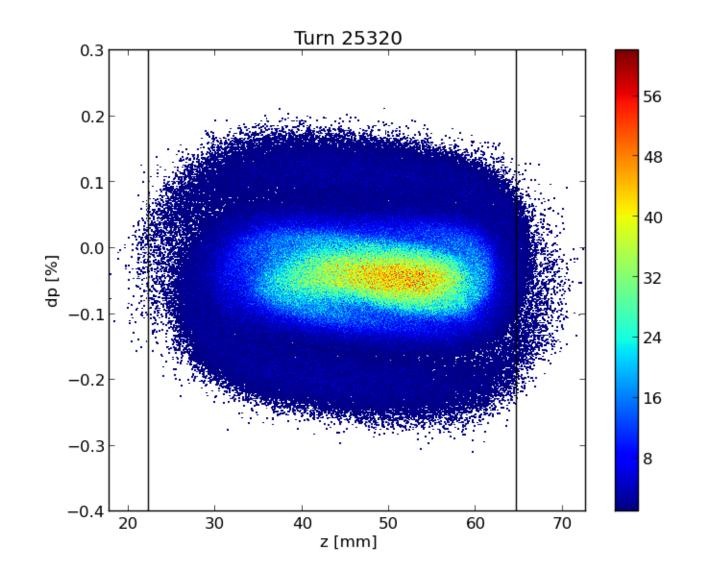
Comparison of the wake potential of 3.5 mm bunch length between PyHT and CST: RF Cavity



Comparison of the wake potential of 3.5 mm bunch length between PyHT and CST: RF double taper



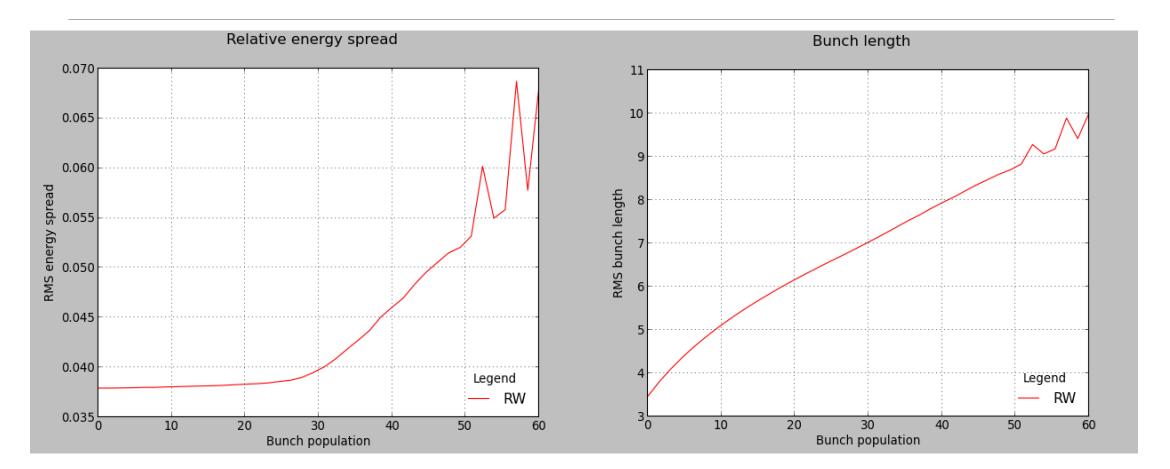




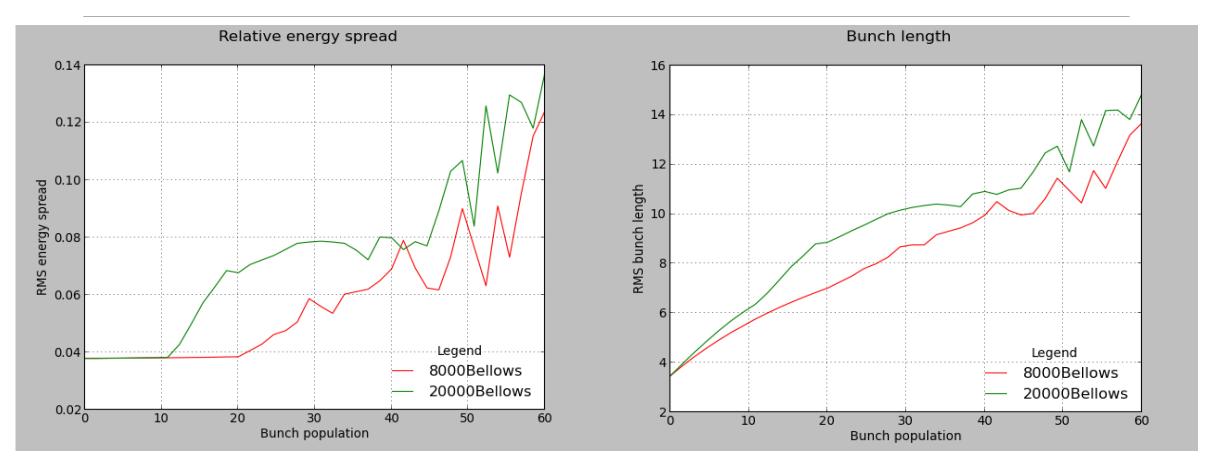
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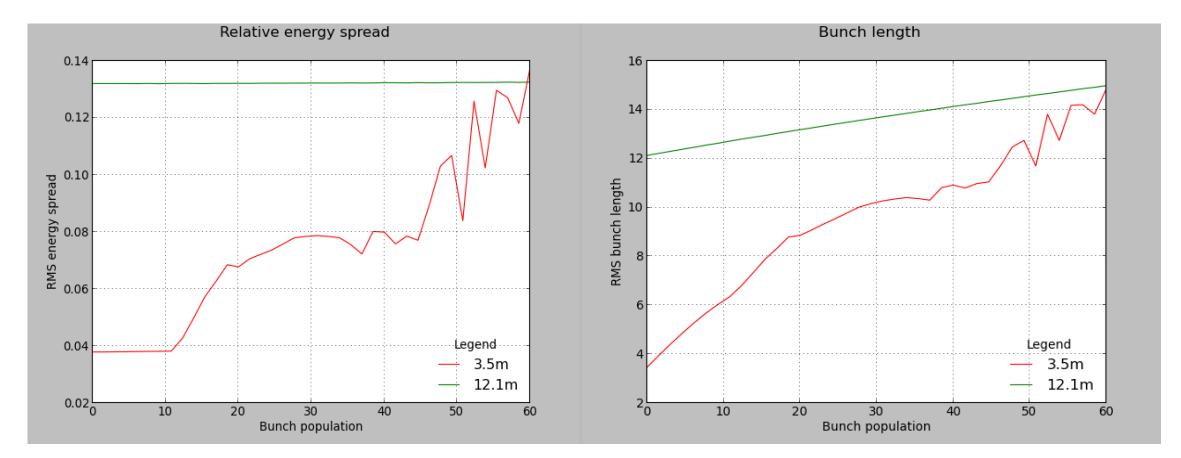
Single beam instabilities considering the only RW



Single beam instabilities take into account every elements (bunch length of 3.5 mm)



Evaluation of the single beam instability for different bunch length considering 20000 Bellows



Thanks for your attention!