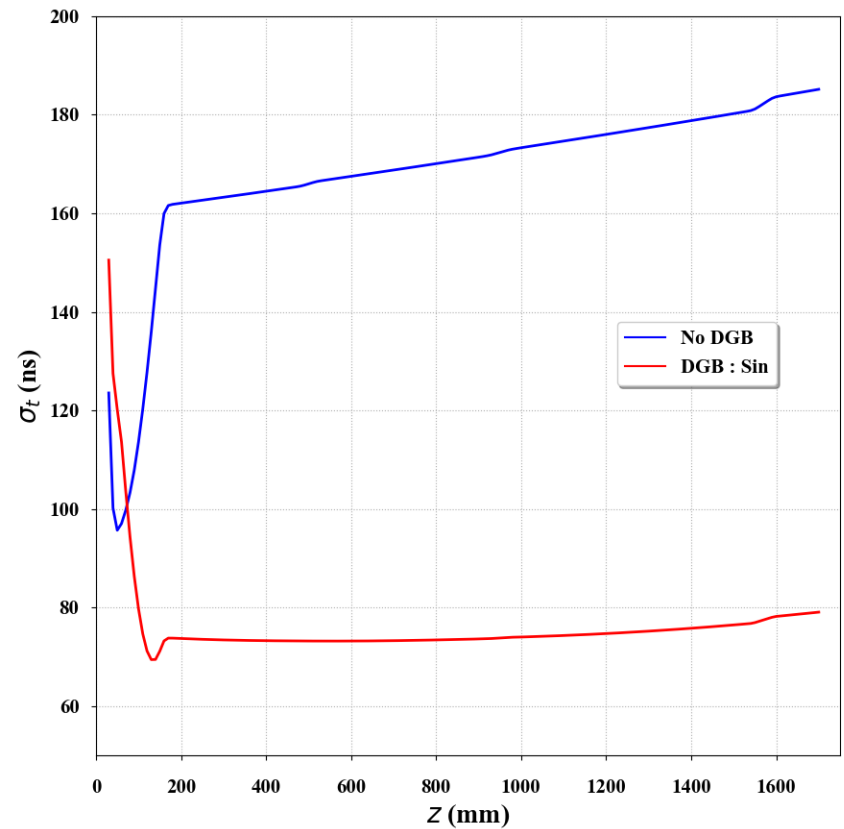
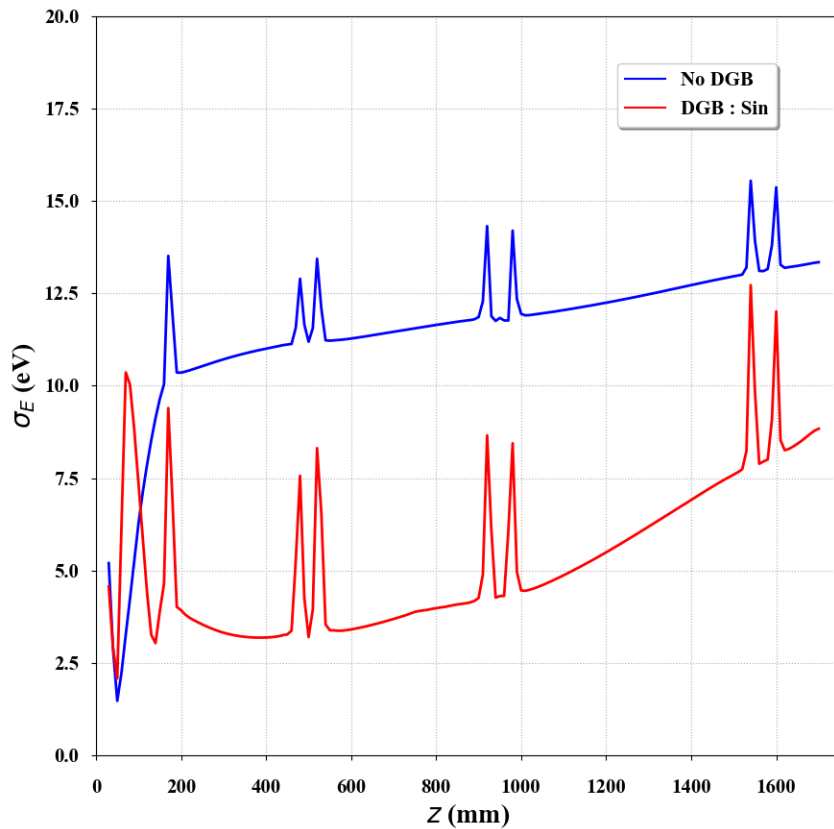


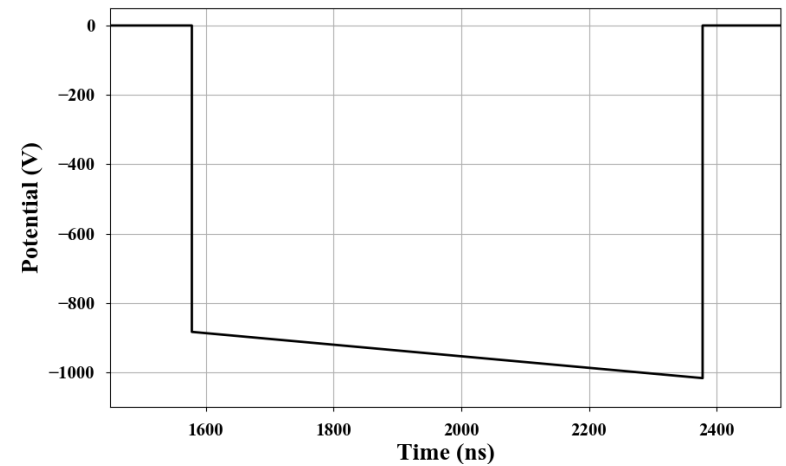
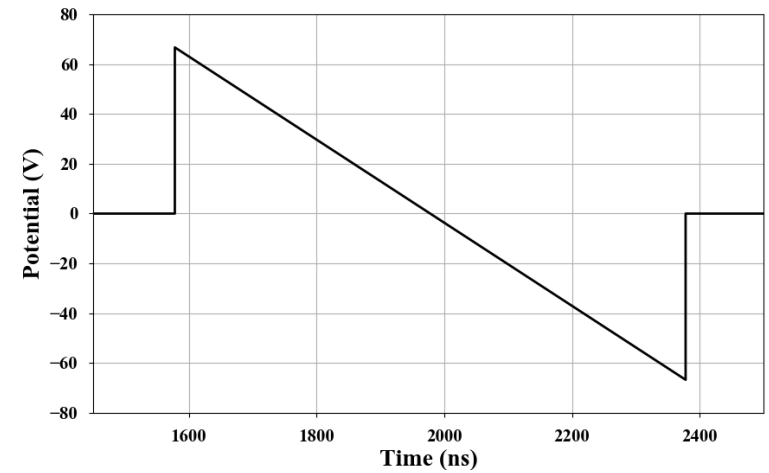
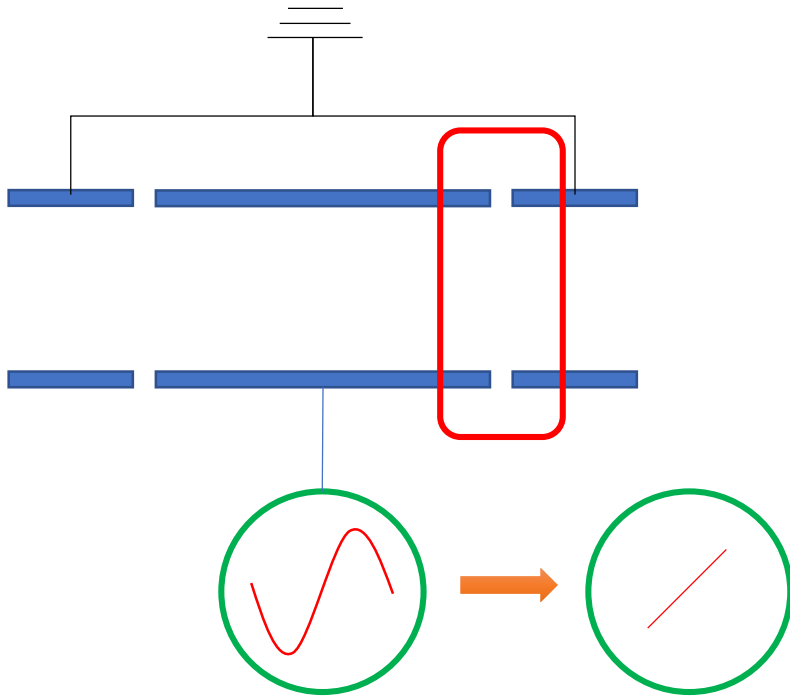
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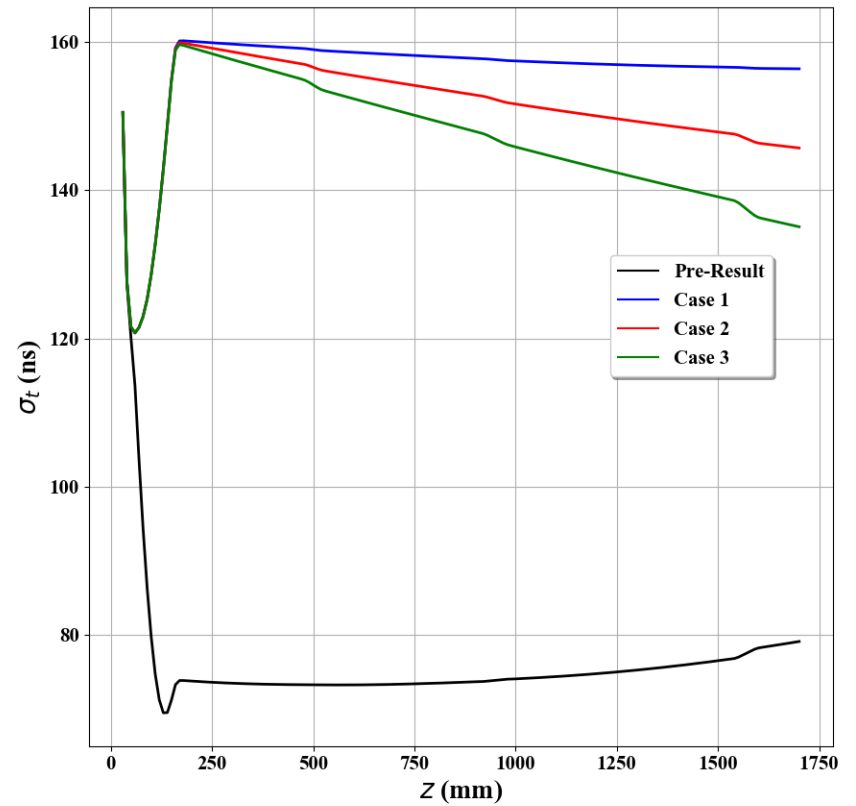
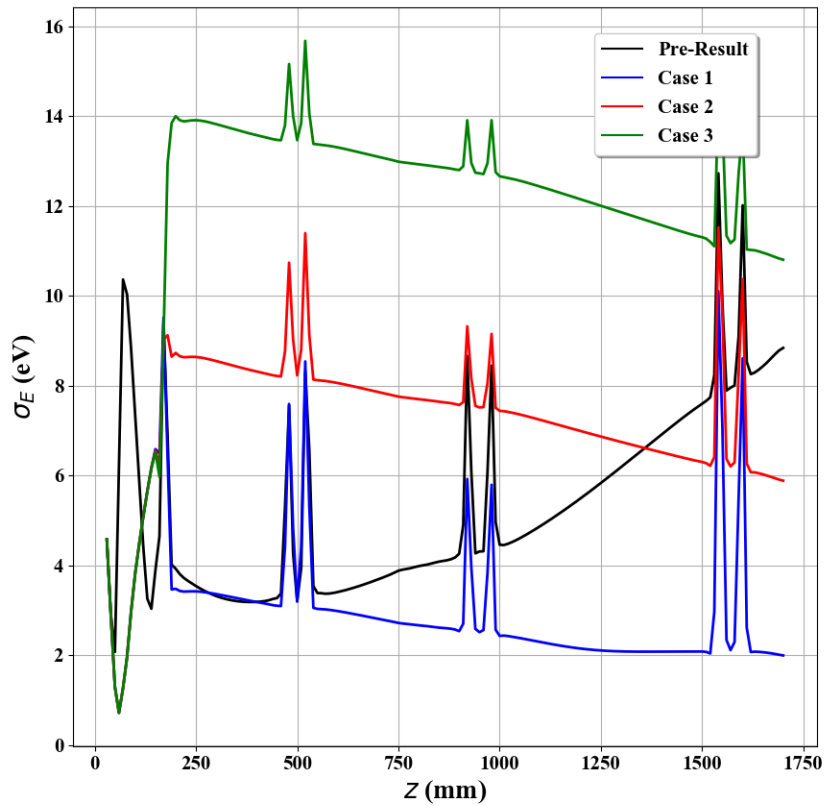
Double Gap Buncher (DGB)



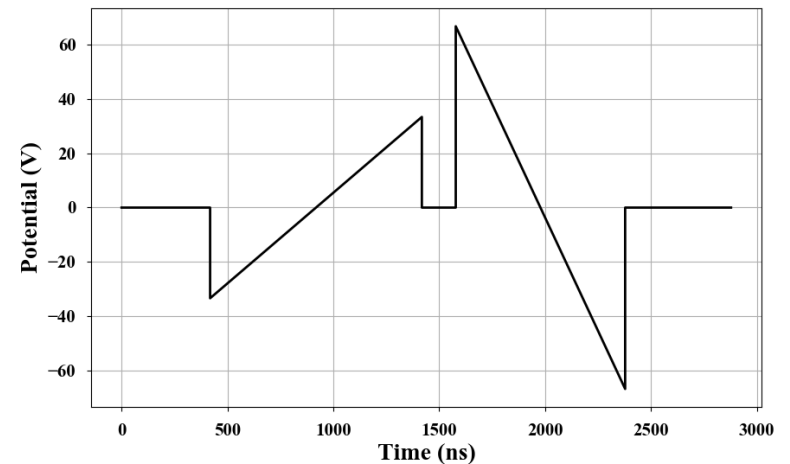
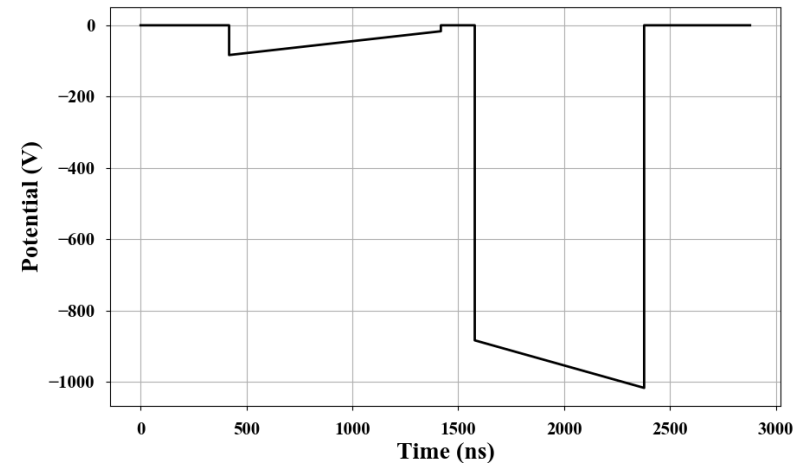
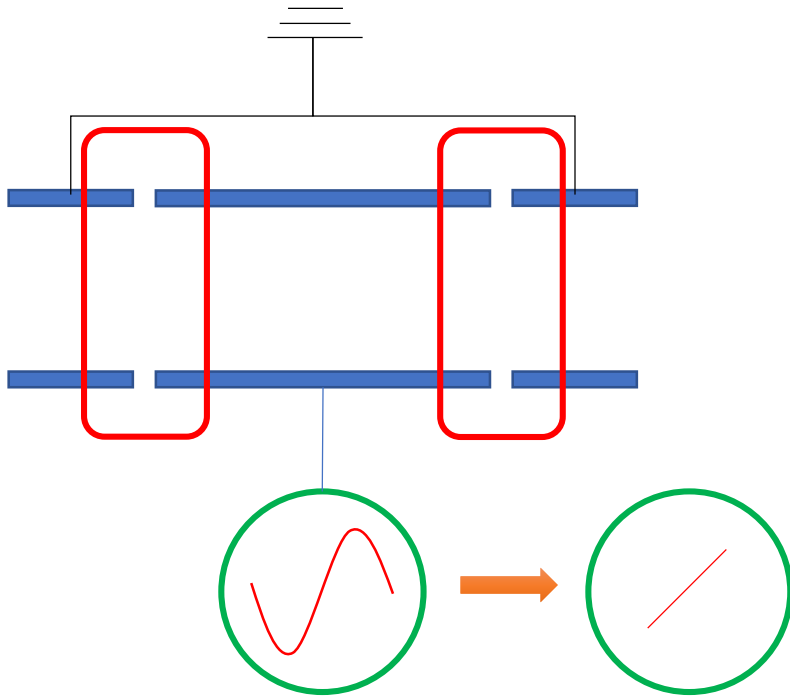
DGB (Only 2nd Gap)



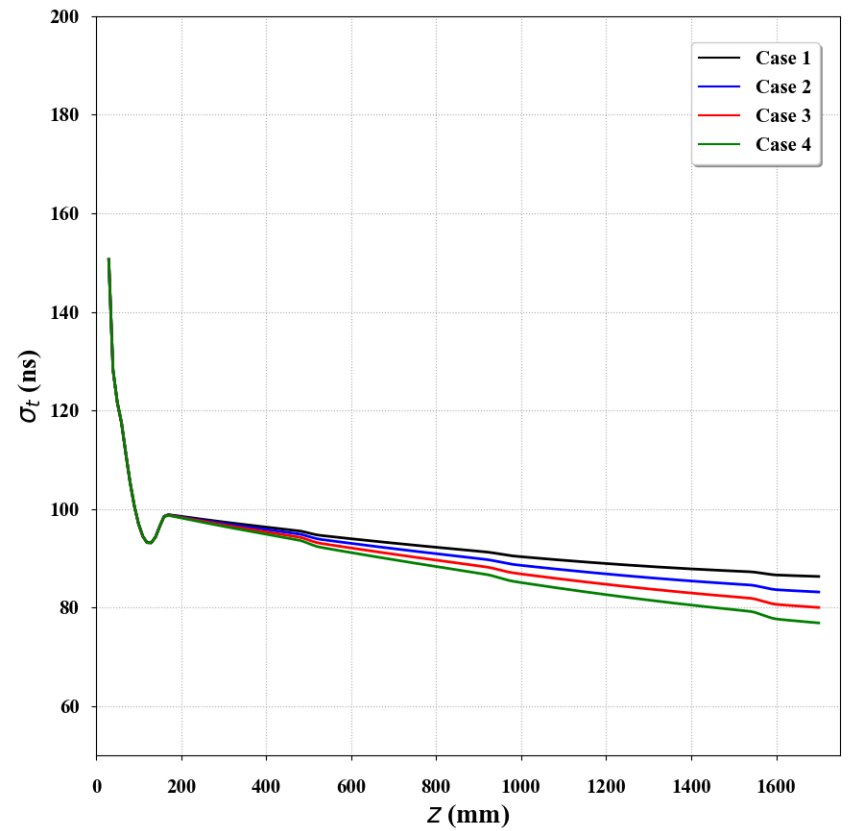
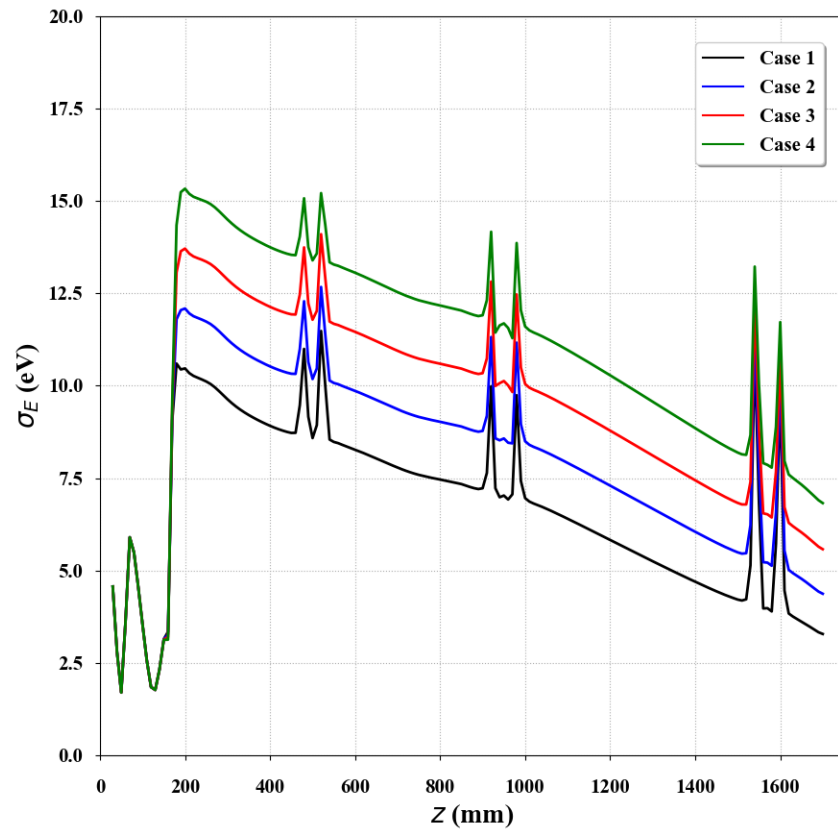
DGB (Only 2nd Gap)



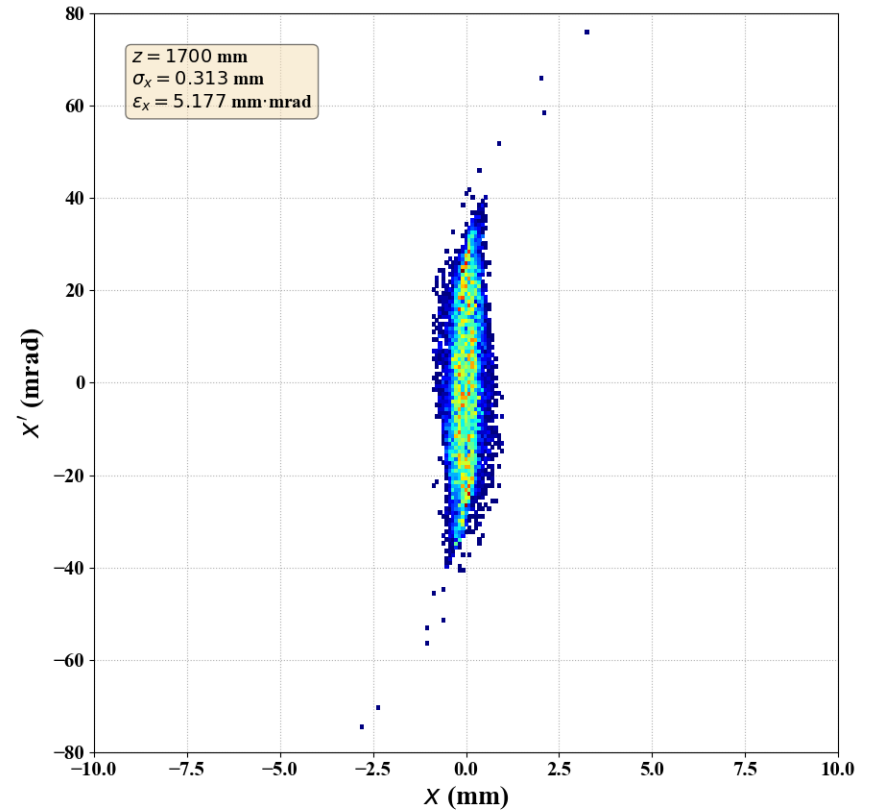
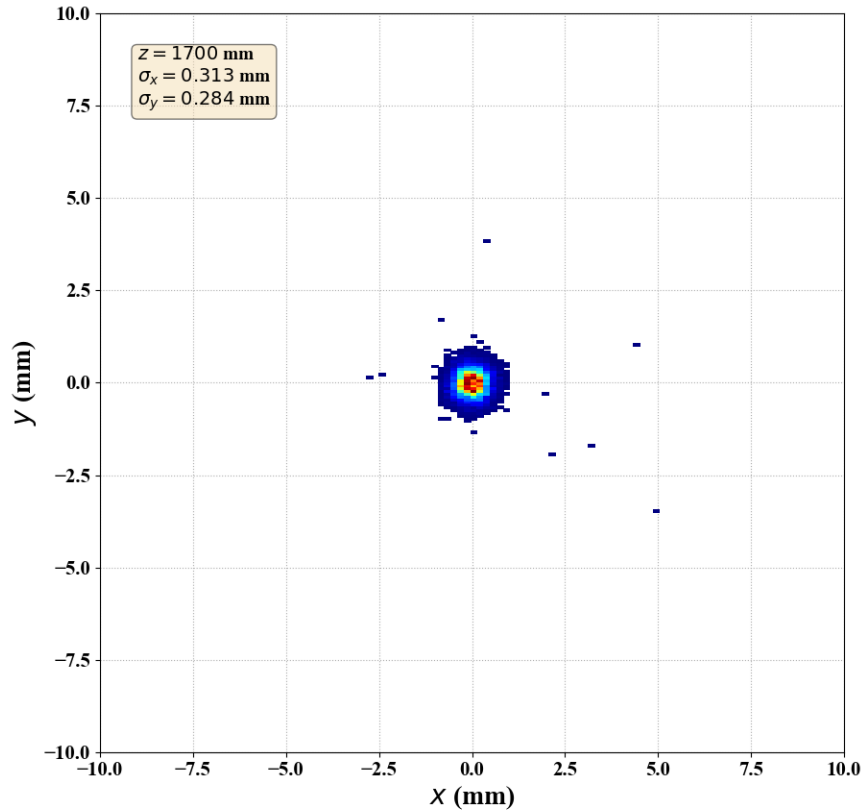
DGB (Different Slope)



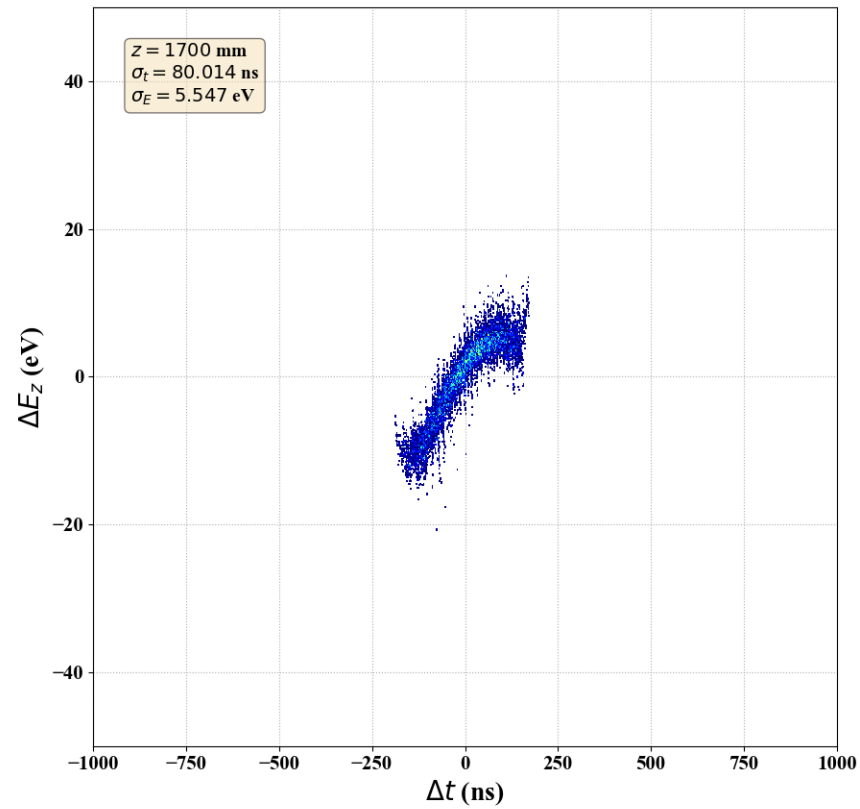
DGB (Different Slope)



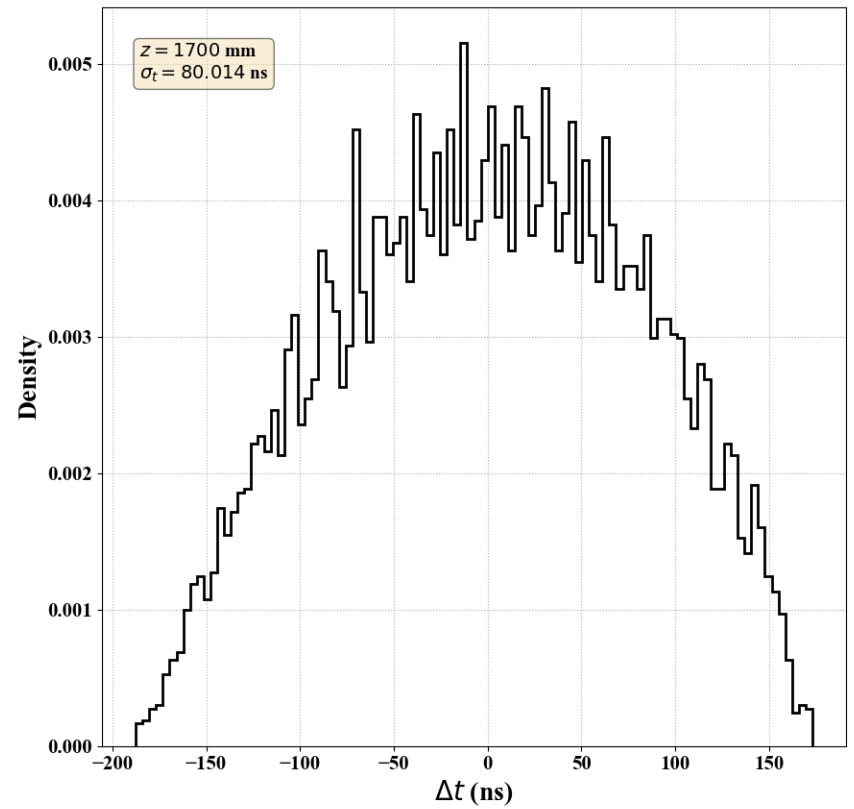
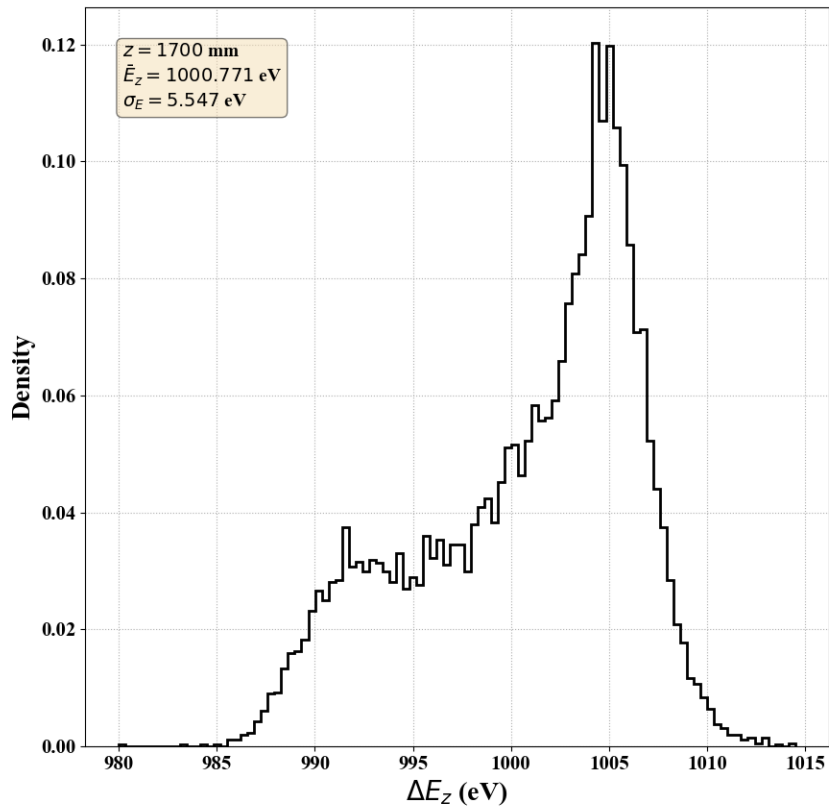
DGB (Case 3)



DGB (Case 3)



DGB (Case 3)



Comparison

At $z = 1700 \text{ mm}$	No DGB	DGB (Sine Form)	DGB (Linear Form)
Mean Longitudinal Energy $\overline{E_z} \text{ (keV)}$	1.00	1.01	1.00
Longitudinal Energy Spread $\sigma_{Ez} \text{ (eV)}$	13.35	8.89	5.55
Bunch Length $\sigma_t \text{ (ns)}$	185.16	79.07	80.01
Beam Size $\sigma_x \text{ (mm)}$	0.392	0.329	0.313
Emittance $\epsilon_x \text{ (mm} \cdot \text{mrad)}$	3.711	5.483	5.177