

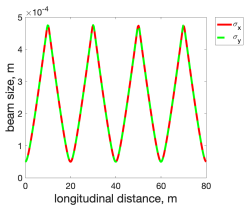
CeC Physics

Jun Ma

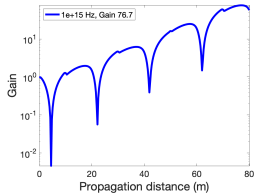
Collider-Accelerator Department
Brookhaven National Laboratory

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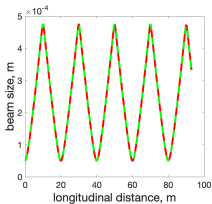
- KV distribution
- Energy $\gamma=275$, R.M.S. energy spread $\delta E/E=1e-4$
- Peak current $I=250$ A
- Normalized KV emittance $\varepsilon_{n,KV}=2 \mu\text{m}$
- Beam waist $a_o=1e-4$ m
- Cell length 20 m



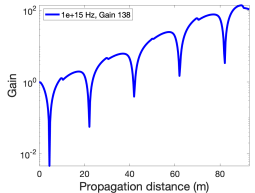
(a) Beam size



(b) PCA gain



(c) Beam size



(d) PCA gain