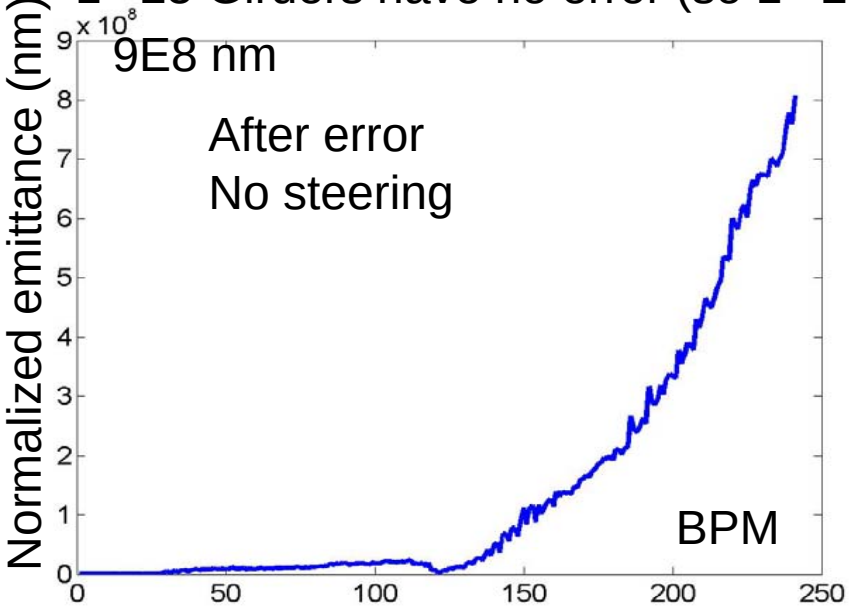
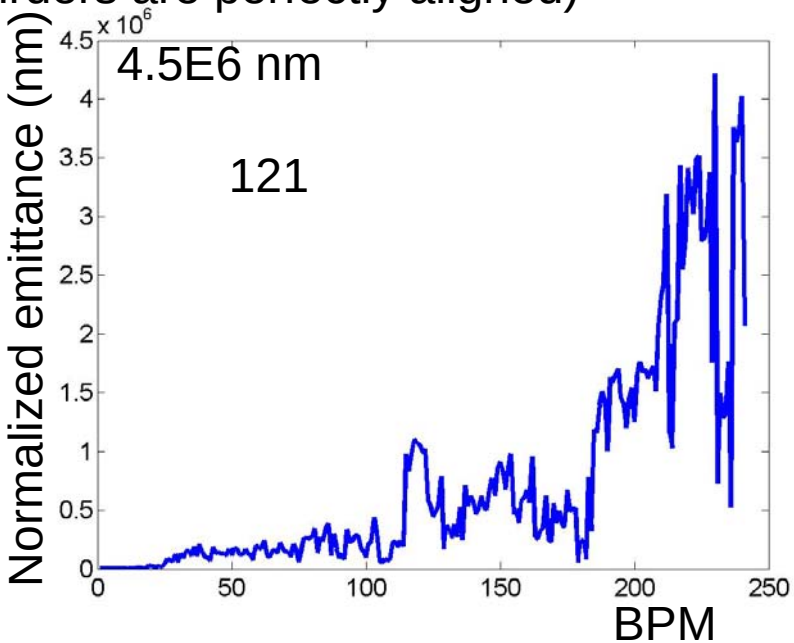
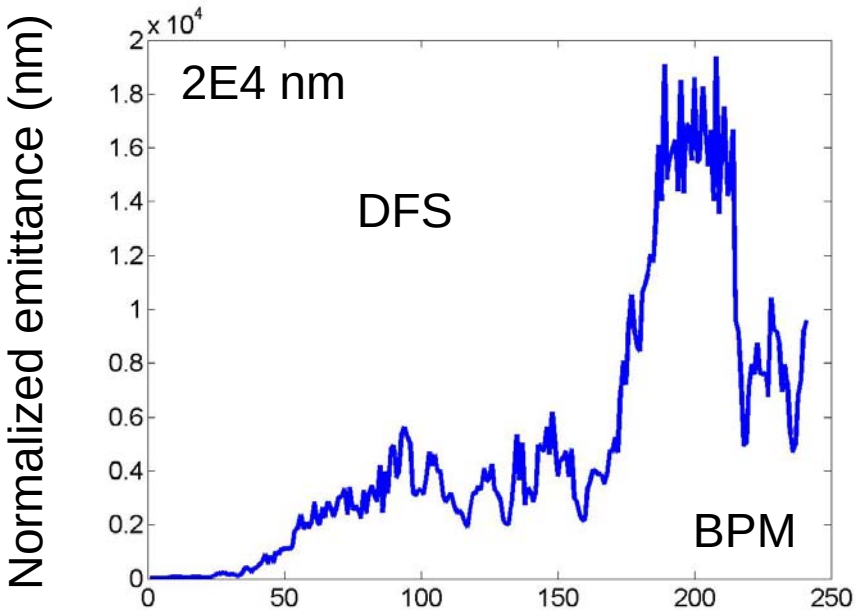
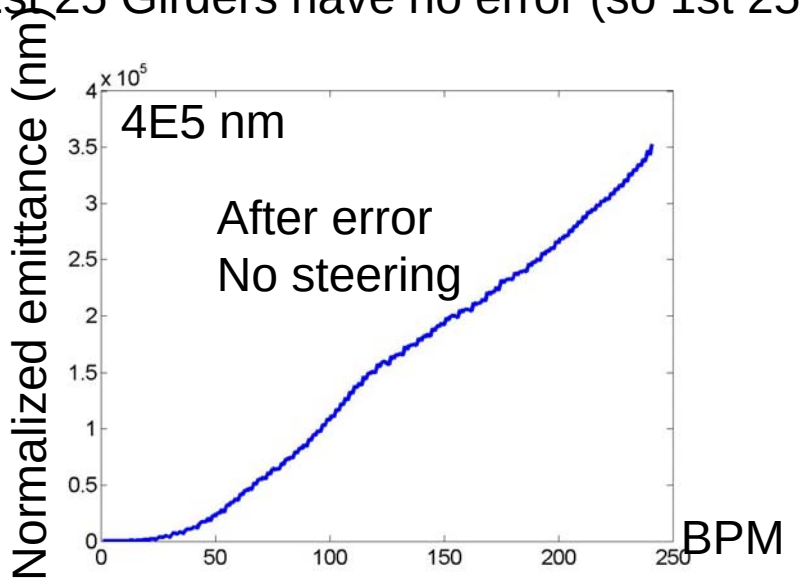
1 seed; Girder Pitch = 20 μrad RMS; Straight ILC BCD like lattice
No other misalignment; BPM Res. = 0.e-6
1st 25 Girders have no error (so 1st 25 Girders are perfectly aligned)

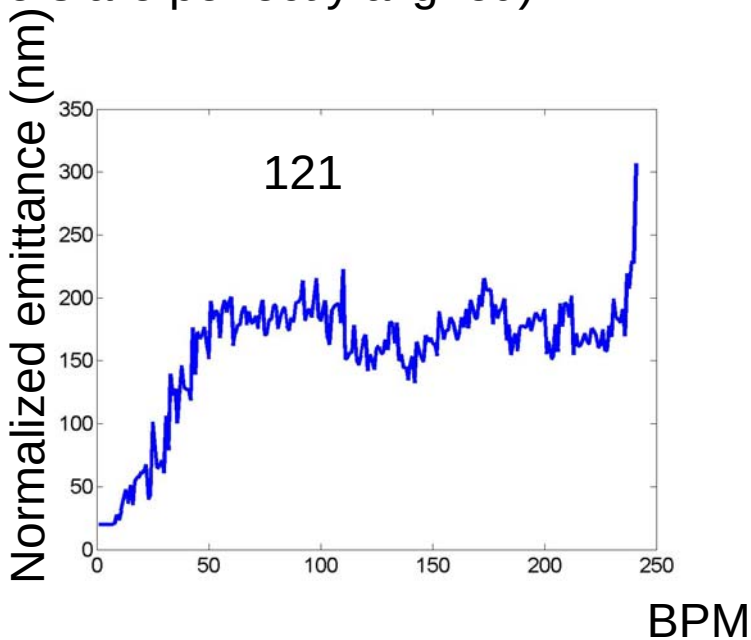


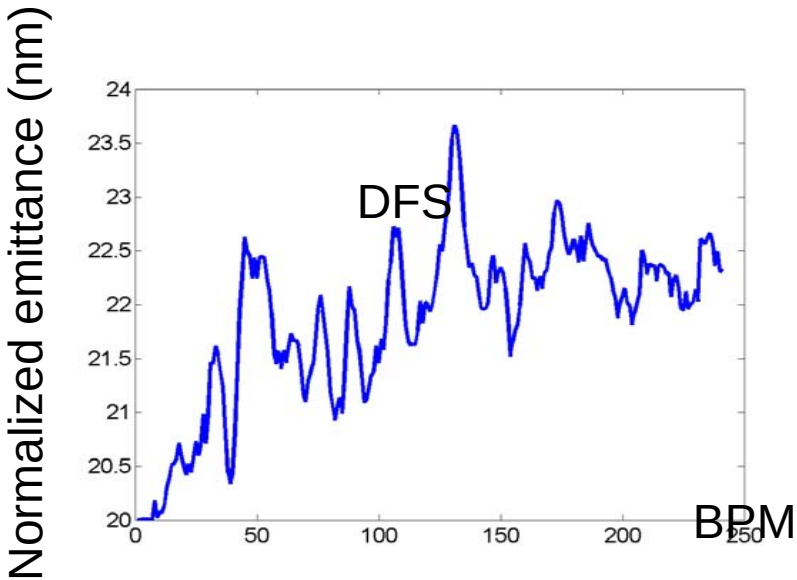




1 seed; No Girder Pitch; Straight ILC BCD like lattice
All nominal misalignment; BPM Res. = 1.e-6
1st 25 Girders have no error (so 1st 25 Girders are perfectly aligned)





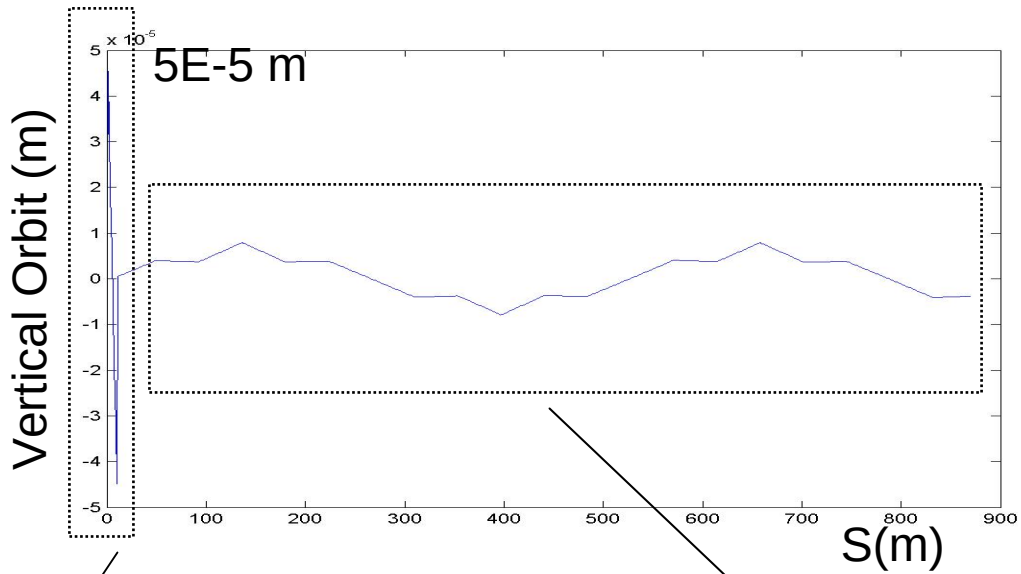


Testing Exercise : 10 FODO cells of ILC BCD like straight lattice

Perfect Lattice except for Girder pitch of 10 um for the 1st Girder only; No other error

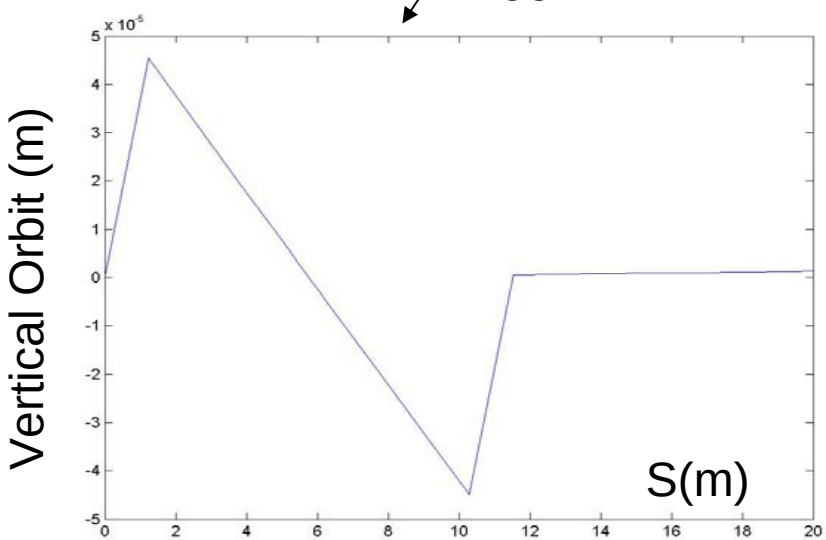
Track the beam

No cavity ;
Quad is symmetrically placed in the Girder



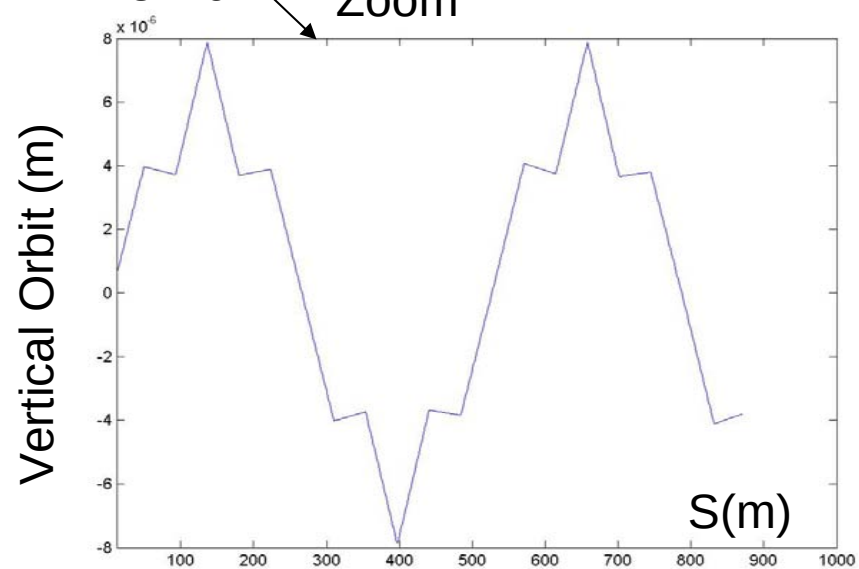
5E-5 m

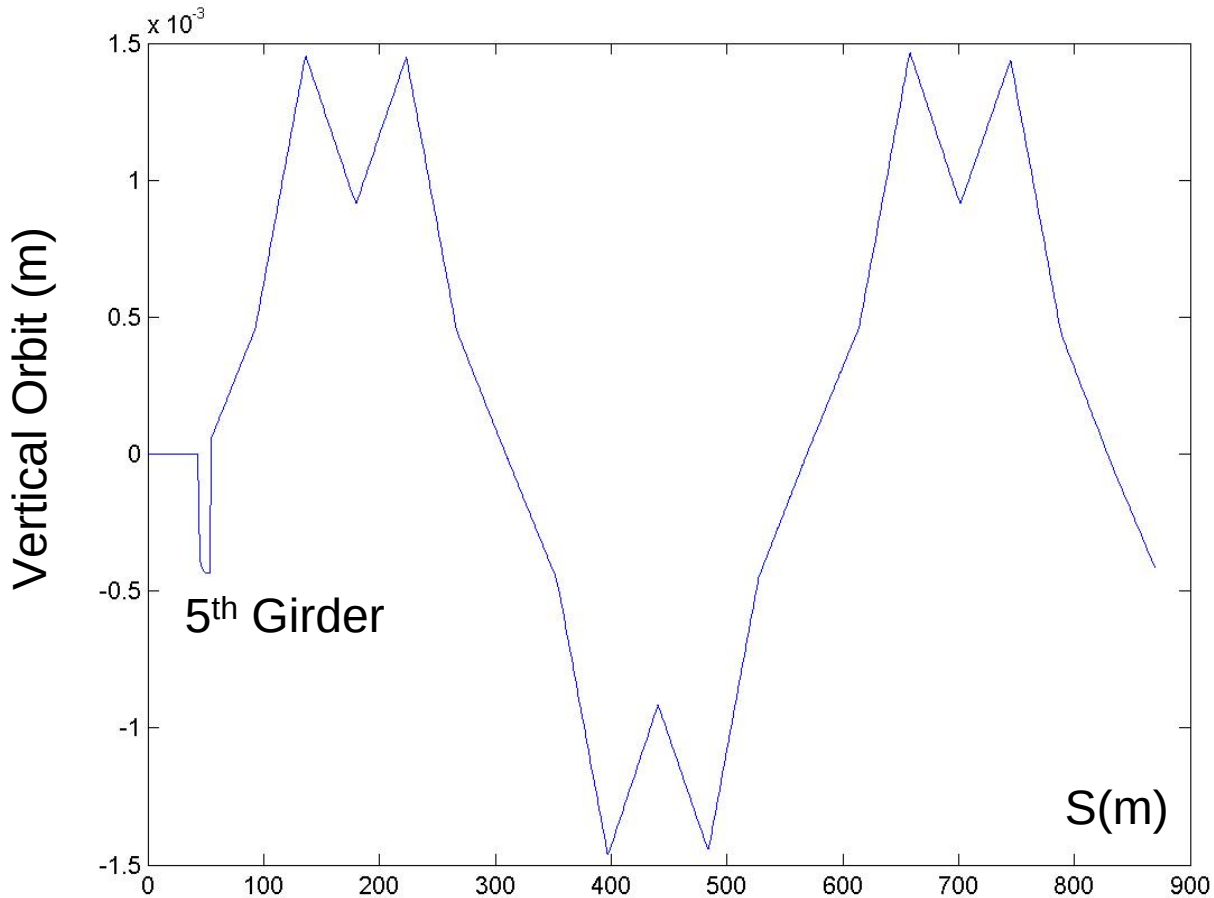
Zoom



8E-6 m

Zoom



Testing Exercise : 10 FODO cells of ILC BCD like straight lattice
Perfect Lattice except for Girder pitch of 10 um for the 5th Girder only; No other error
Track the beam

No cavity ;
Quad is symmetrically placed in the Girder