

FCCEe\_z\_572\_nosol\_1.sad

$\varepsilon_x = .71$  nm,  $\varepsilon_y/\varepsilon_x = 0.20\%$ ,  $\sigma_\varepsilon = 0.039\%$ ,  $\sigma_z = 5.6$  mm,

$\beta_{x,y}^* = (.11$  m,  $.7$  mm),  $\nu_{x,y,z} = (218.1585, 222.2004, -0.0289)$ , Crab Waist = 70%  
25 turns, Damping: each element, Touschek Lifetime: 148808 sec @  $N = 1 \times 10^{10}$