GEANT 3.21 Simulations of Balbekov's Ring - last update.

Z. Usubov , Nov, 5, 2002

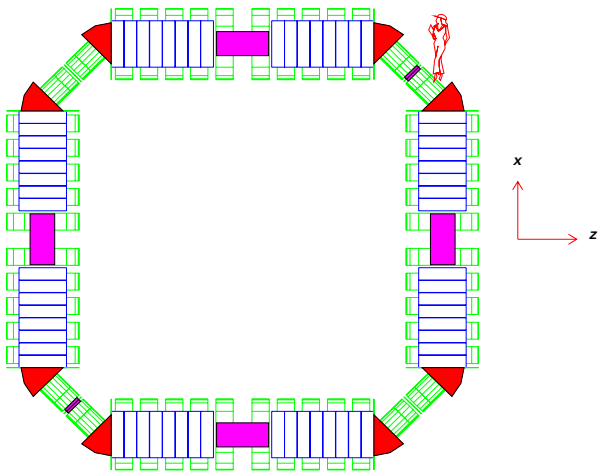

Fig.1

Initial beam conditions

- $E_0 = .250$ GeV
- $\sigma_{Etot} = 18\, MeV$
- $\sigma_{Py} = \sigma_{Pz} = 32\, MeV/c$
- $\sigma_y = \sigma_z = 4\, cm$
- $\sigma_x = 8\, cm$

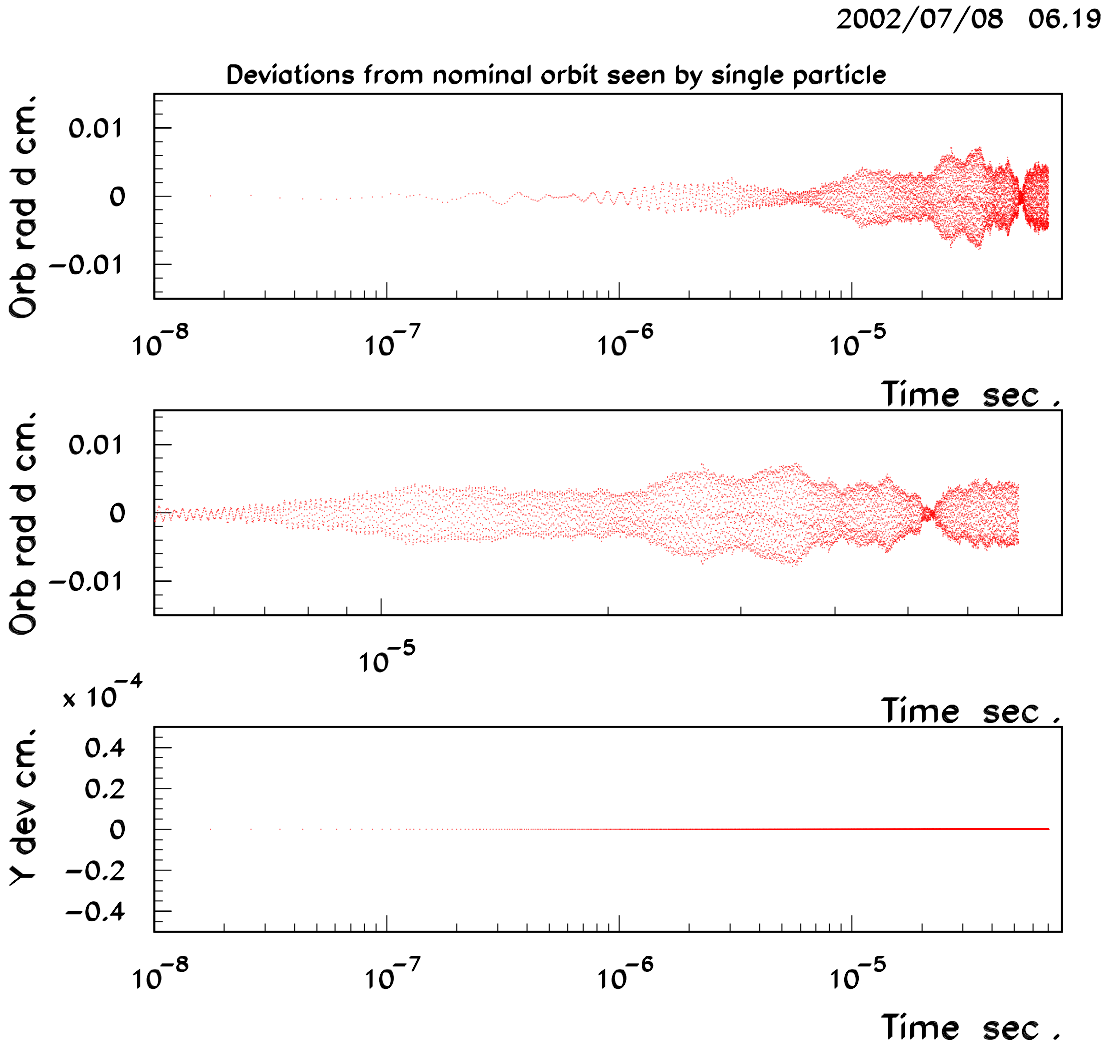

Fig.2 Radial and vertical accuracy, const field

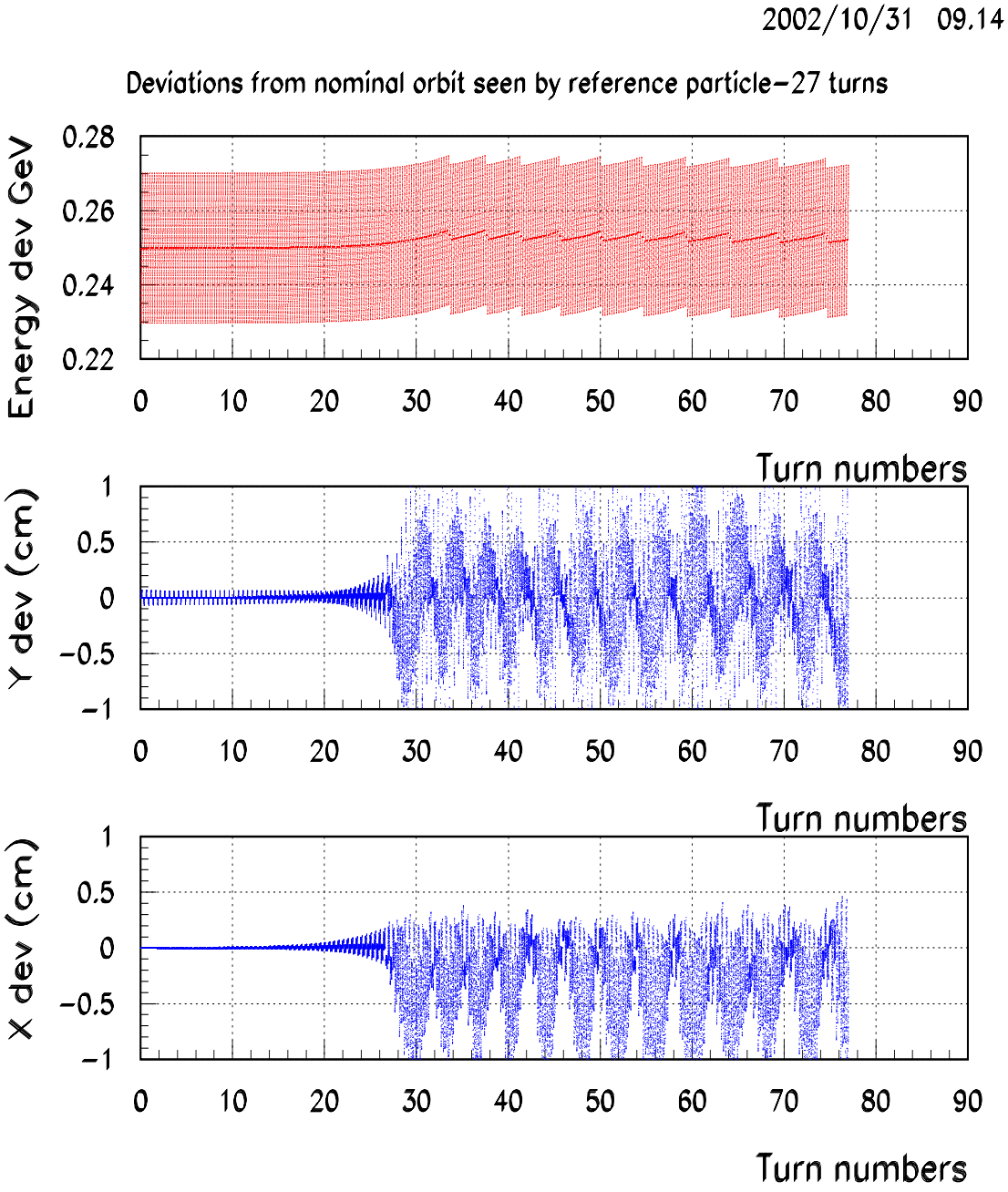

Fig.3 No Rf's, constant gain per step in Rf volume

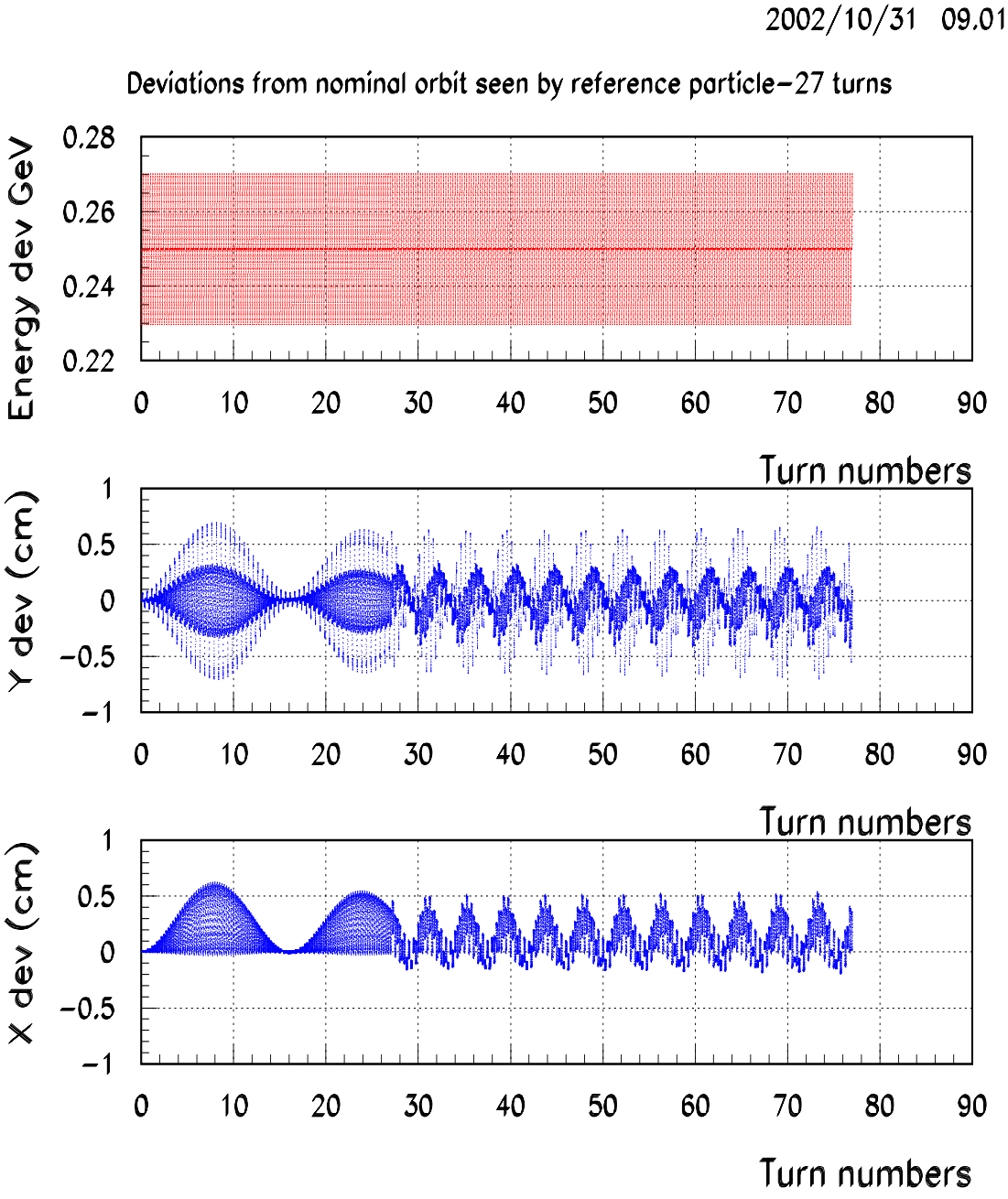

Fig.4 Const LS field,33 KGs, SS field*1.05

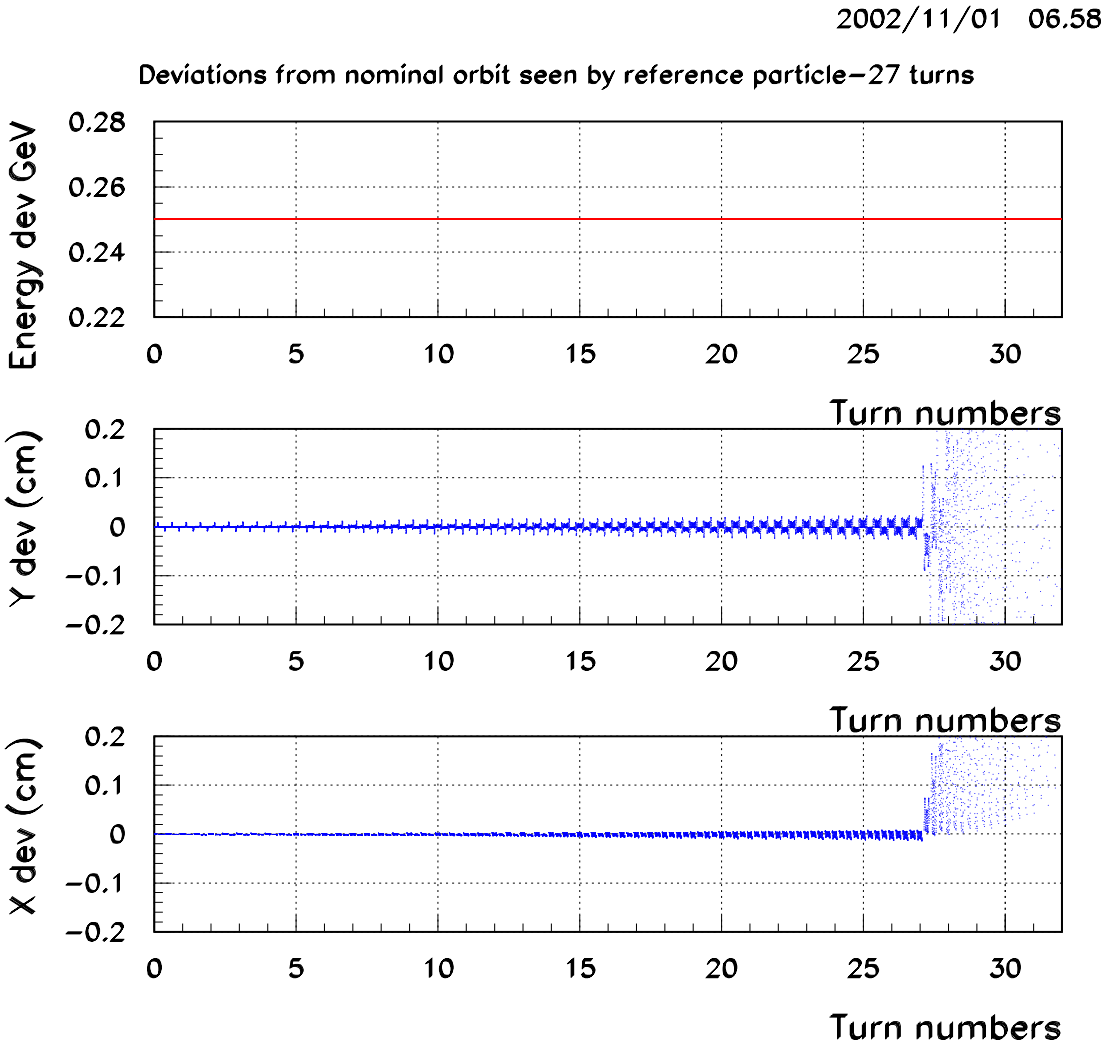

Fig.5 No absorber, no acceleration, regular mag field