

GEANT 3.21 Simulations of Balbekov's Ring.

Corrections of RF's phases.

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Ring Coolers/Emittance Exchange group meeting

Tuesday Jan 7

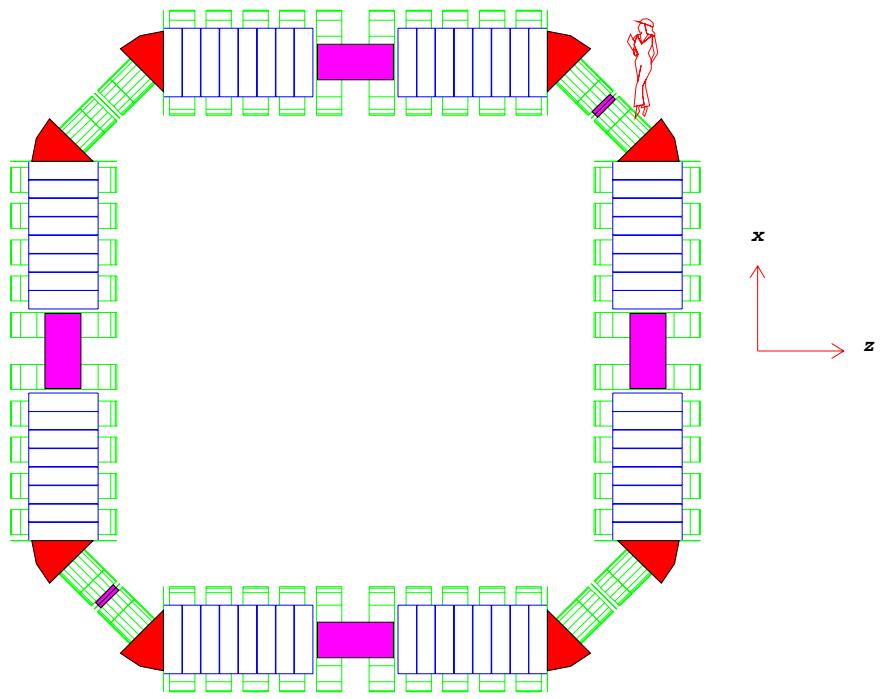


Fig.1 Cooler set-up

$$E_{tot} = 250 \text{ MeV}$$

$$\sigma_{E_{tot}} = 18 \text{ MeV}$$

$$\sigma_{P_y} = \sigma_{P_x} = 32 \text{ MeV}/c$$

2002/12/19 15.17

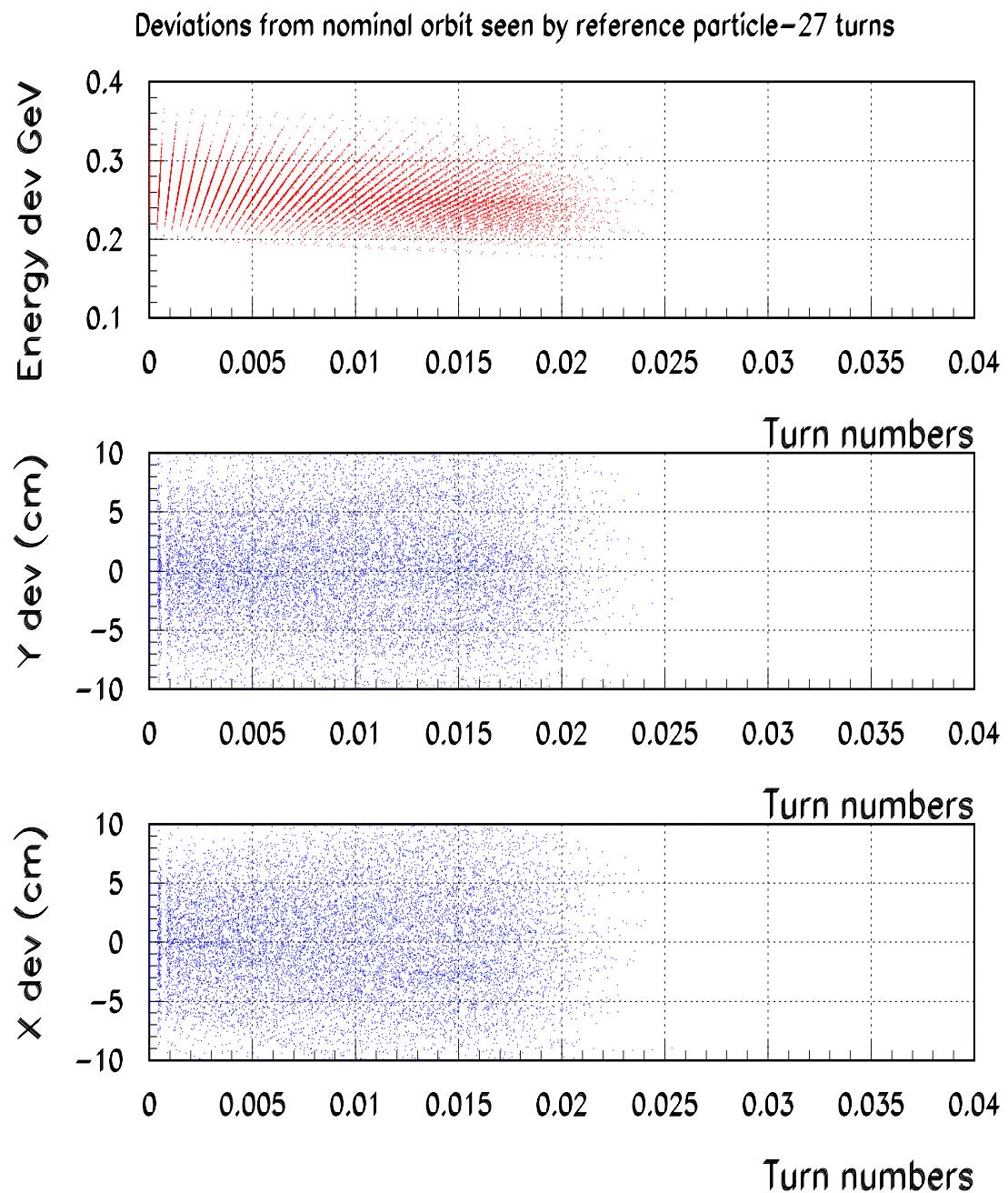


Fig.2 Energy deviation in half of absorber

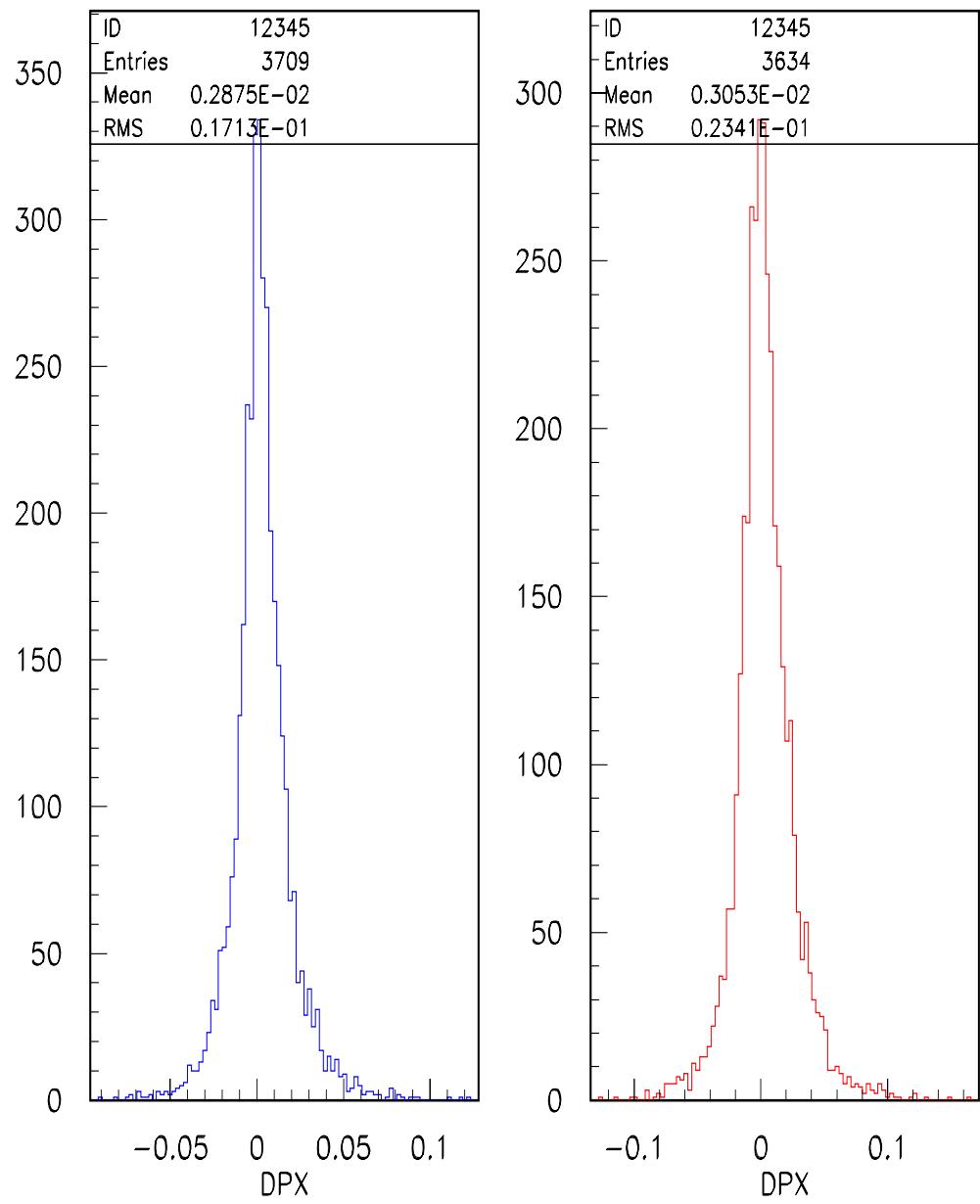


Fig.3 ΔP_x in abs. and cavity parts

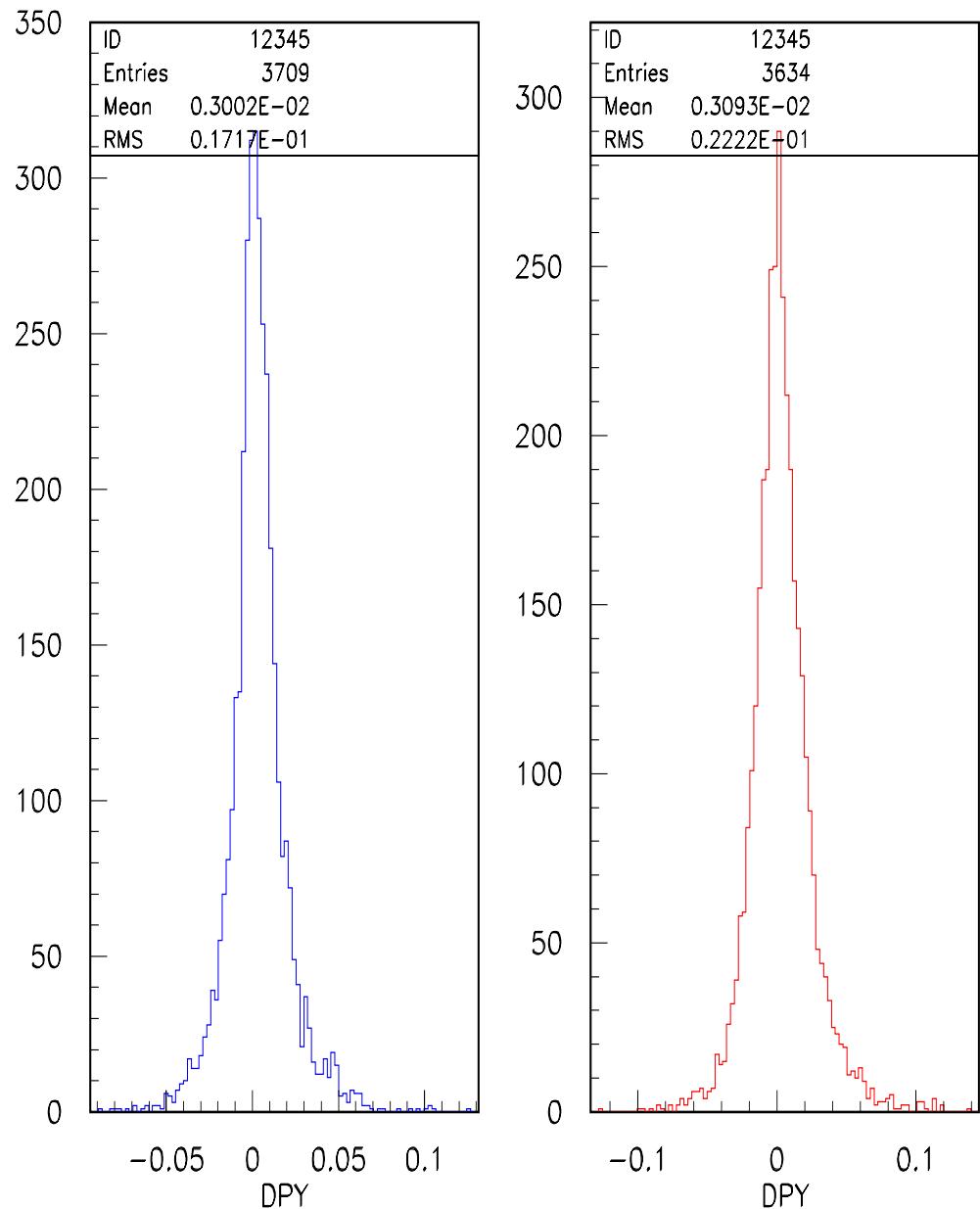


Fig.4 ΔP_y in abs. and cavity parts

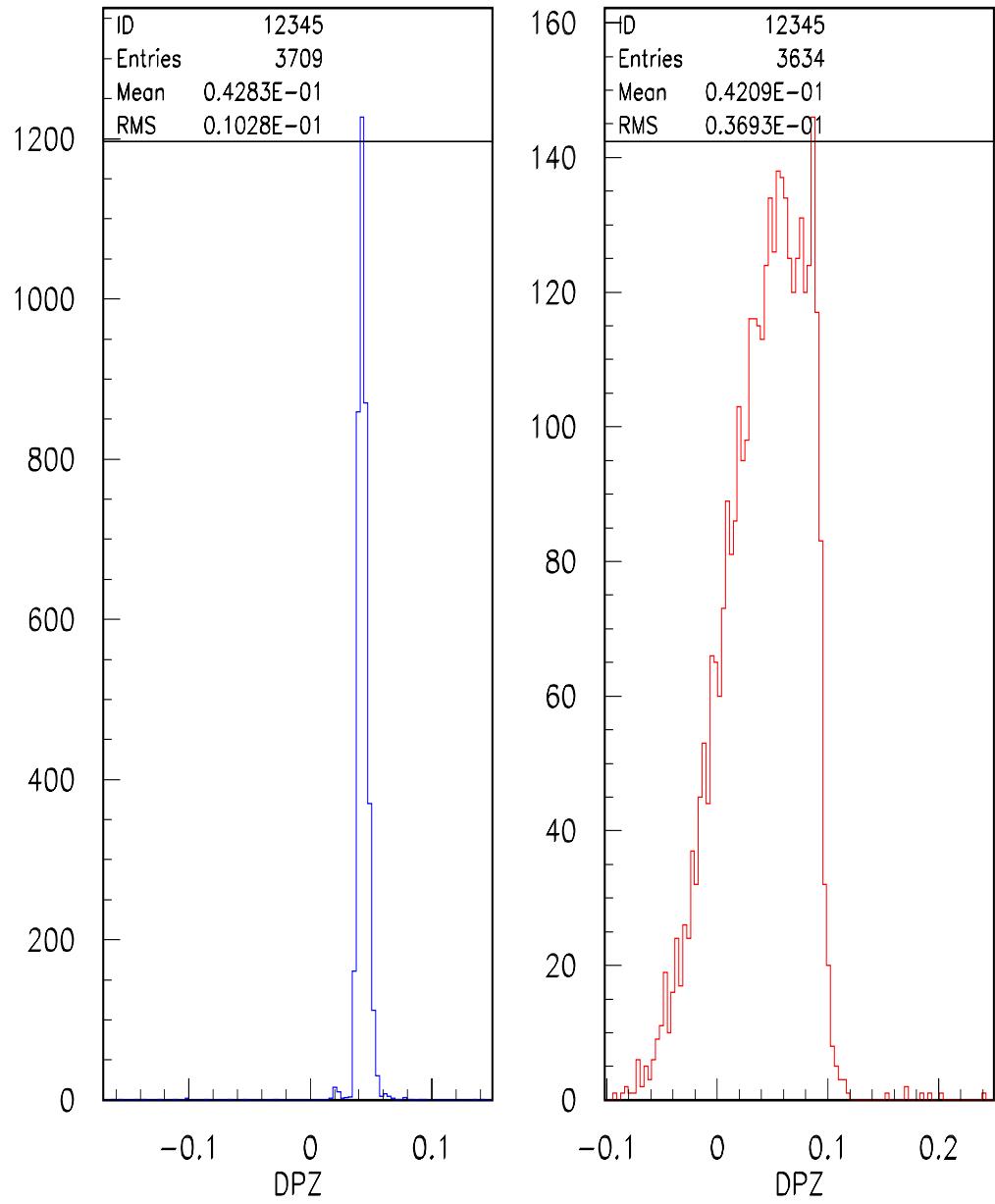


Fig.5 ΔP_z in abs. and cavity parts

2003/01/06 15.10

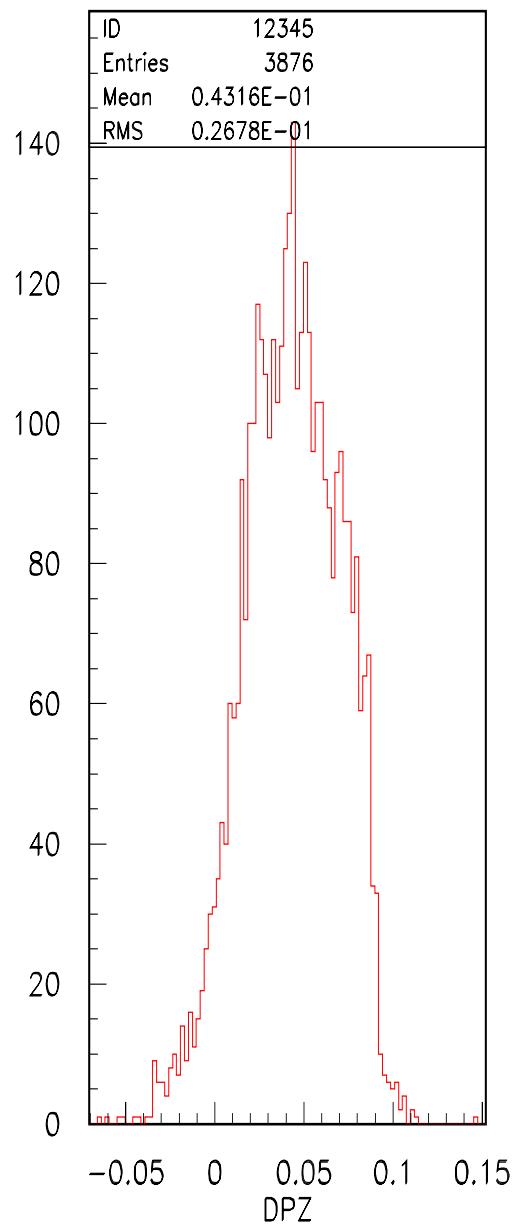


Fig.6 ΔP_z in cavity parts after phase corrections.

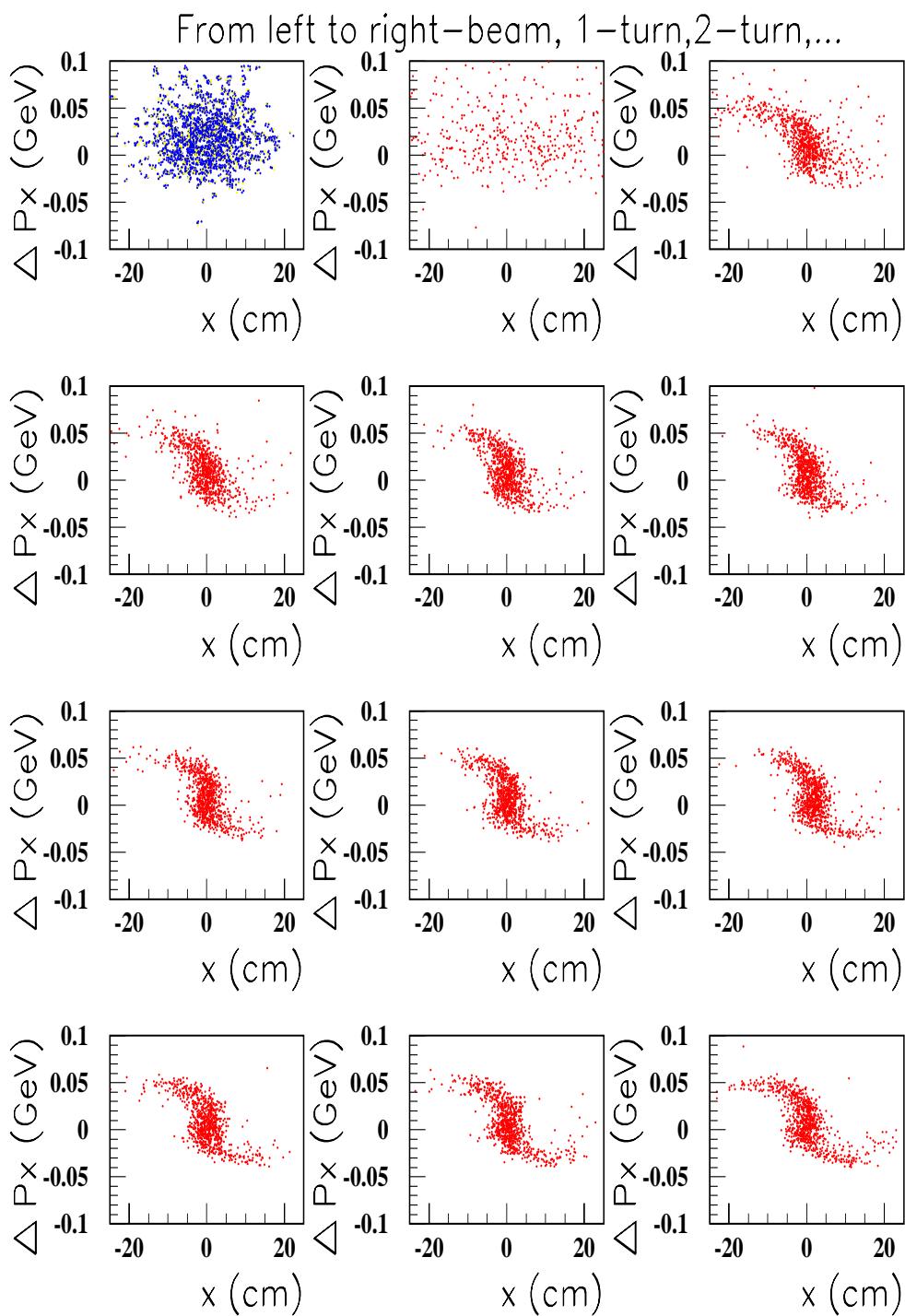


Fig. 7 $x - P_x$ distributions (long).

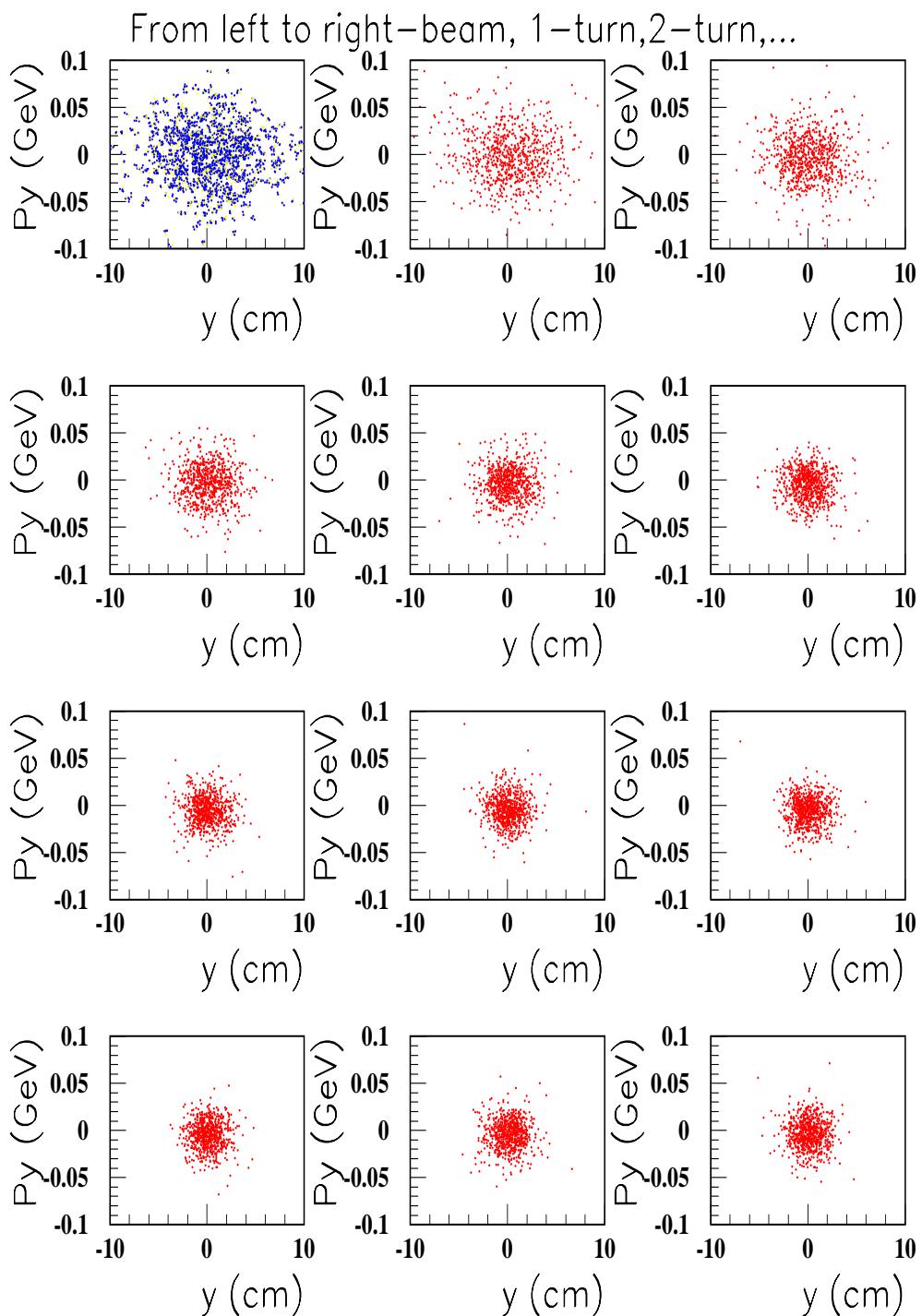


Fig.8 $y - P_y$ distributions (trans).

Tetra Circular Muon Cooler

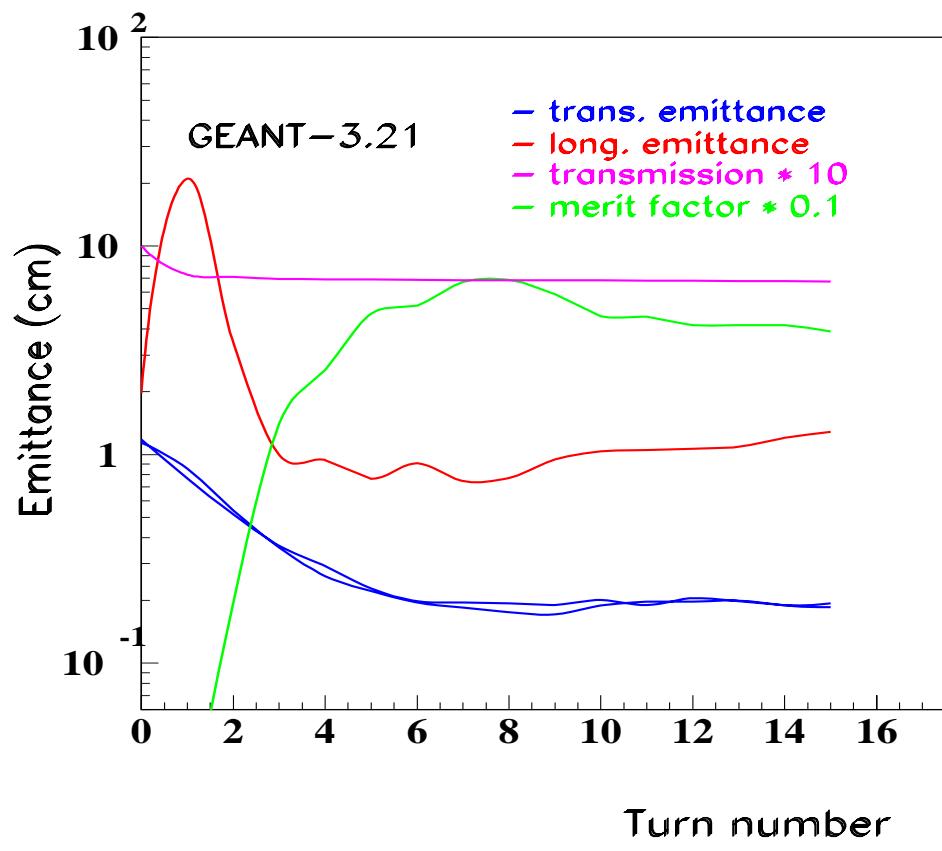


Fig.9 Emittances and transmission