

GEANT 3.21 Simulations of Balbekov's Ring.

Where I am stand.

Z. Usubov

Ring Coolers/Emittance Exchange group meeting

Tuesday Nov 26



2002/11/25 10.18

Deviations from nominal orbit seen by reference particle-27 turns

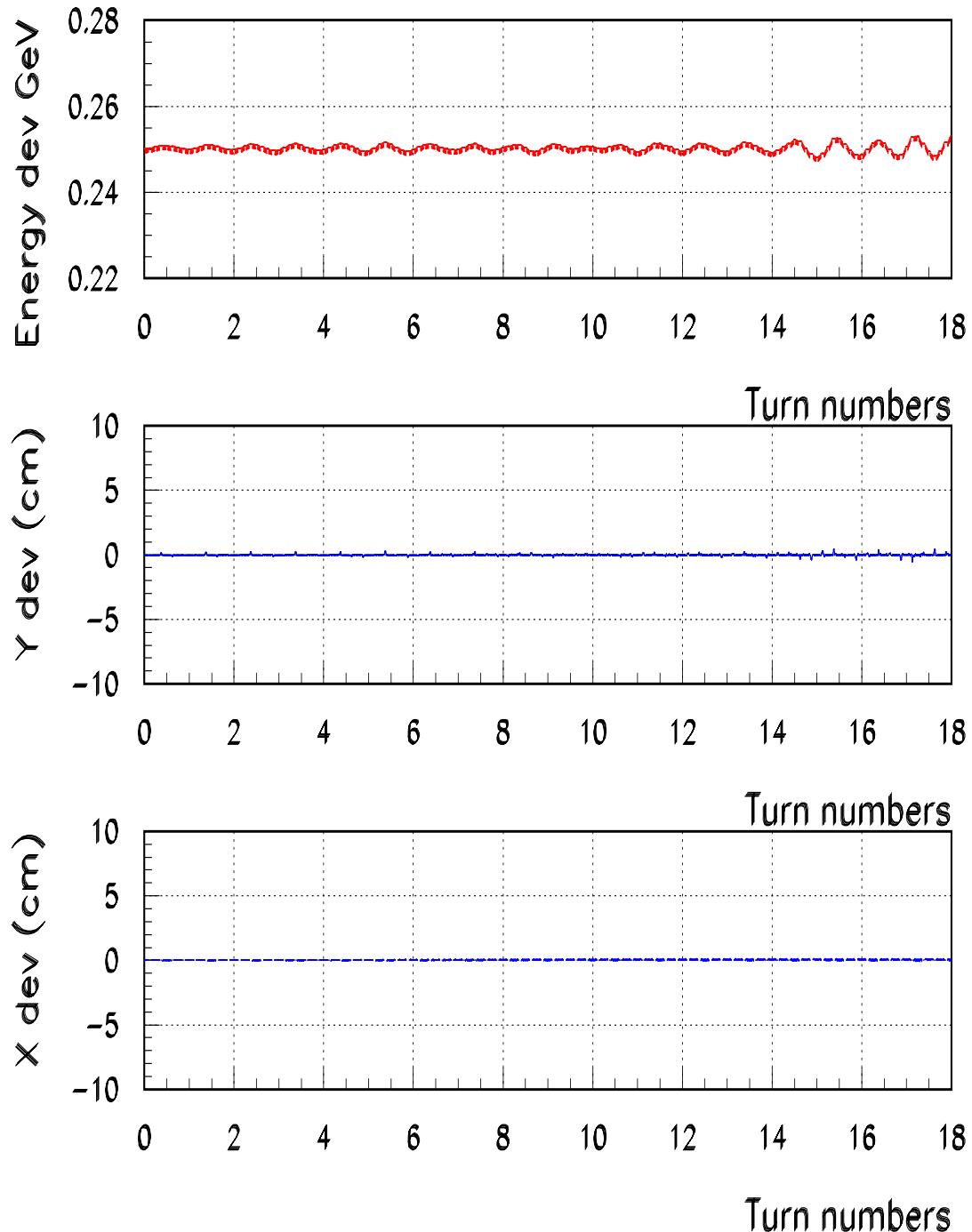


Fig.1 Energy deviation, No absorb., $\Theta_{accel} = 0.0$

2002/11/25 10.10

Deviations from nominal orbit seen by reference particle—27 turns

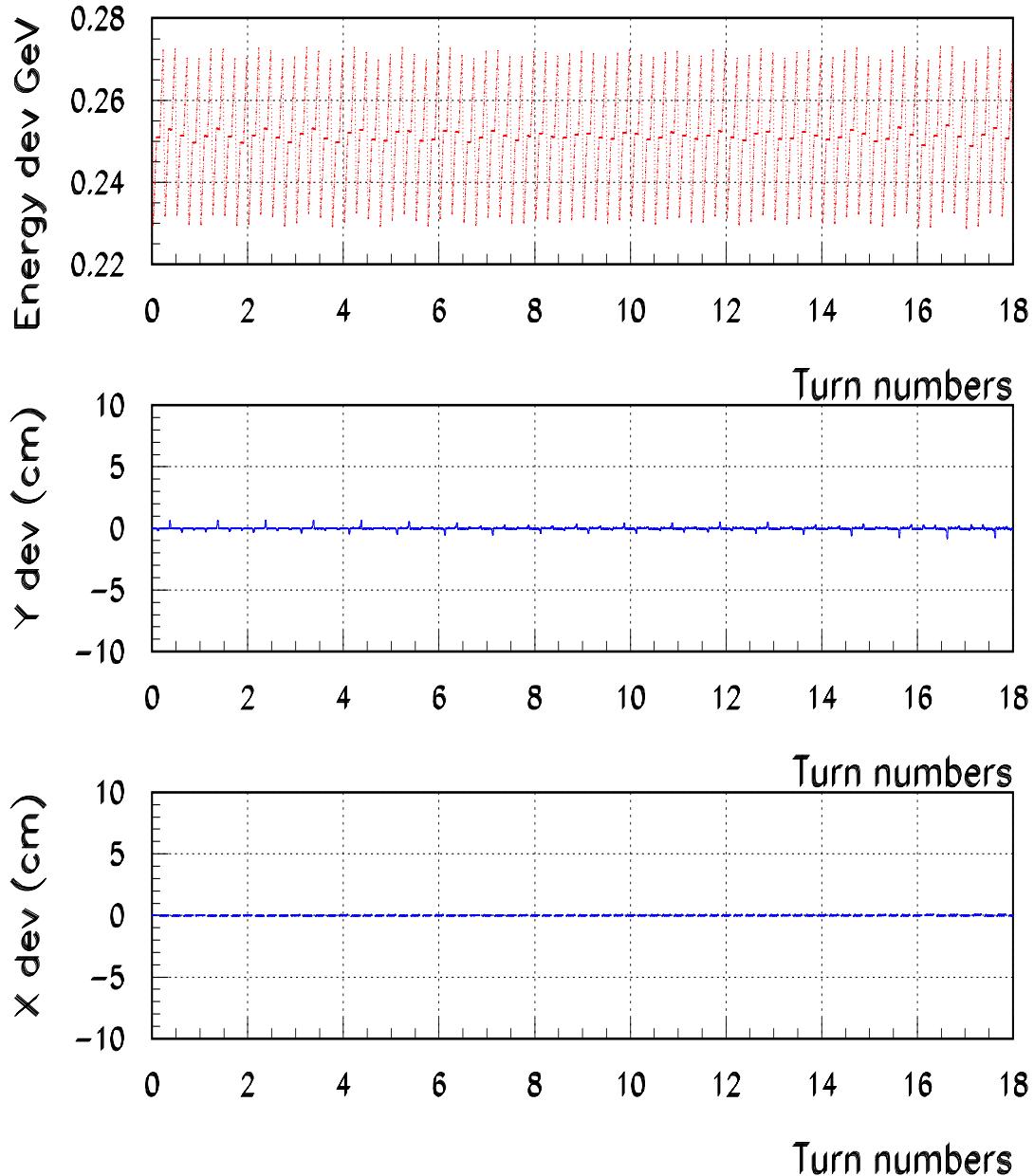


Fig.2 Energy deviation, Constant enenrgy loss
in absorbers. No stochastics.

Deviations from nominal orbit seen by reference particle—27 turns

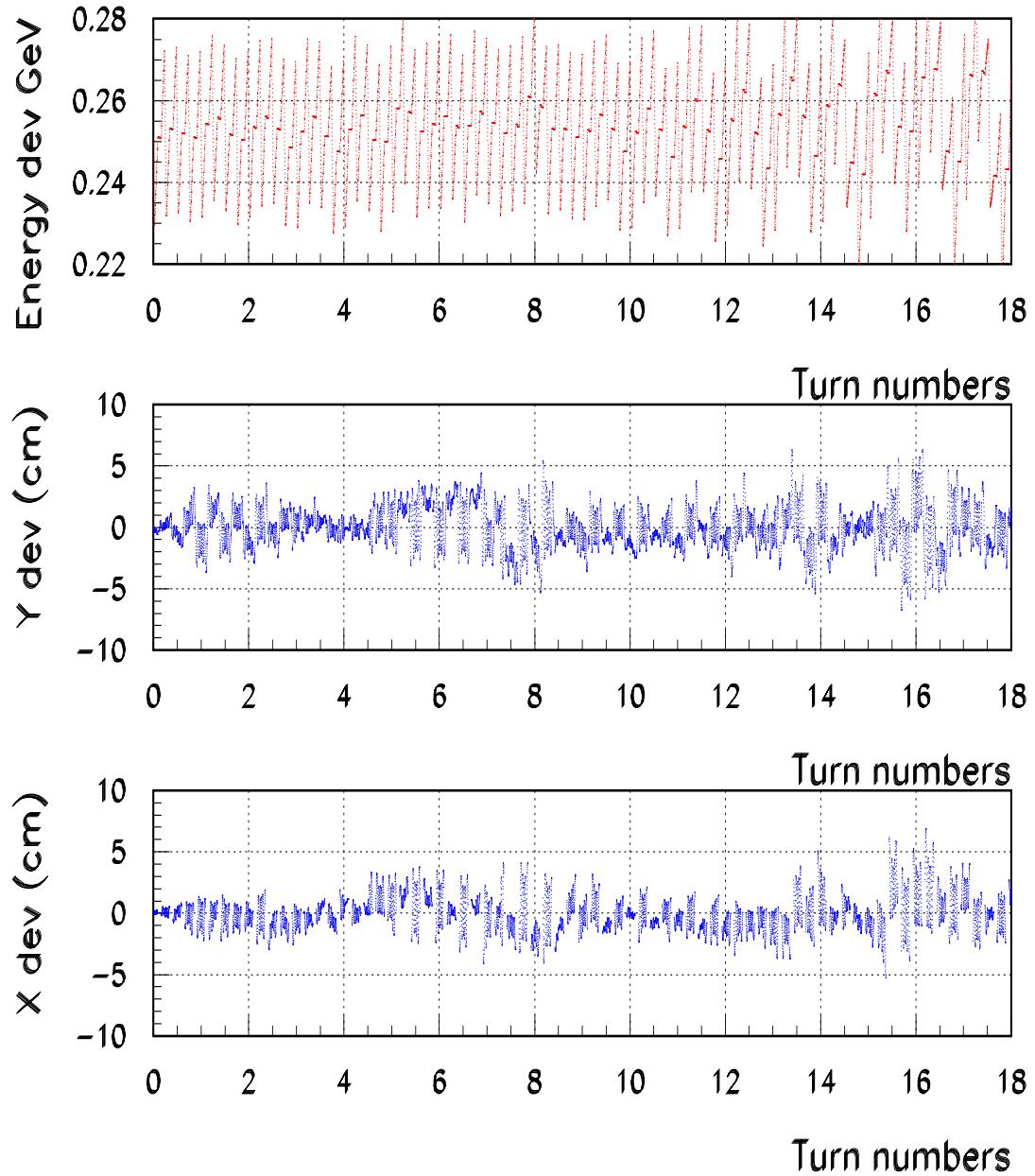


Fig.3 Energy deviation, Constant enenrgy loss
in absorbers + mult. scatter.

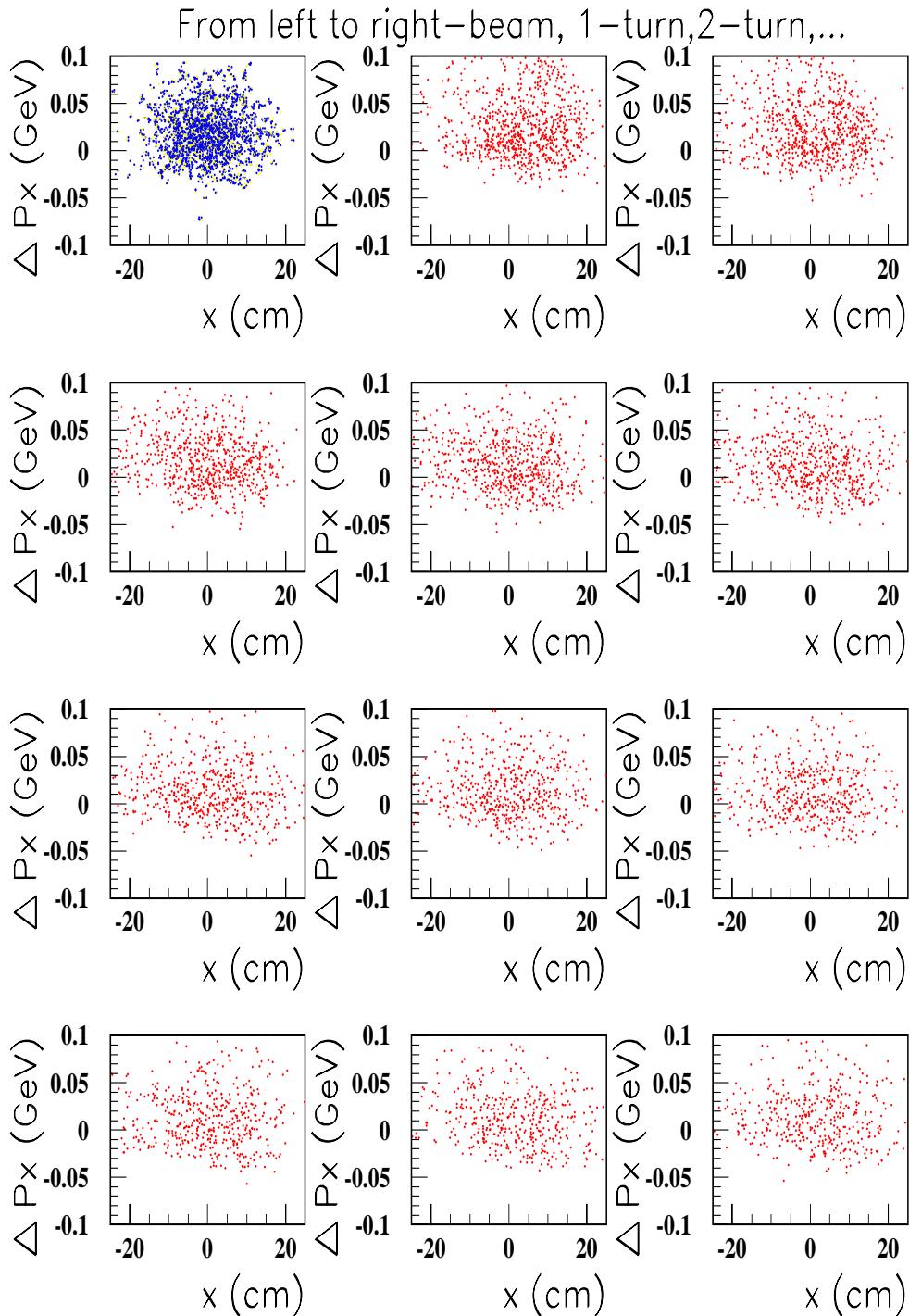


Fig.4 $X - P_X$ distributions.

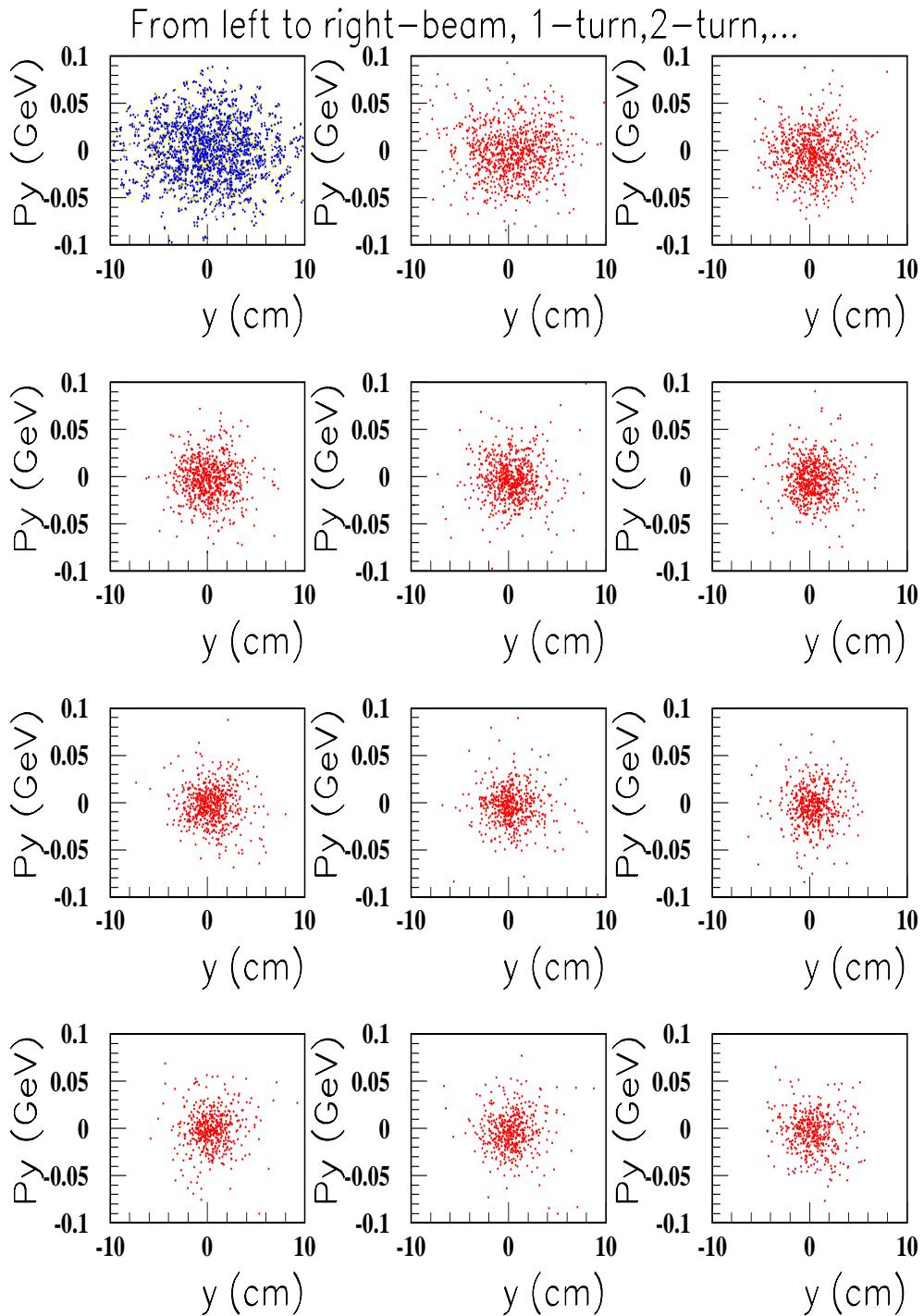


Fig.5 $Y - P_Y$ distributions.

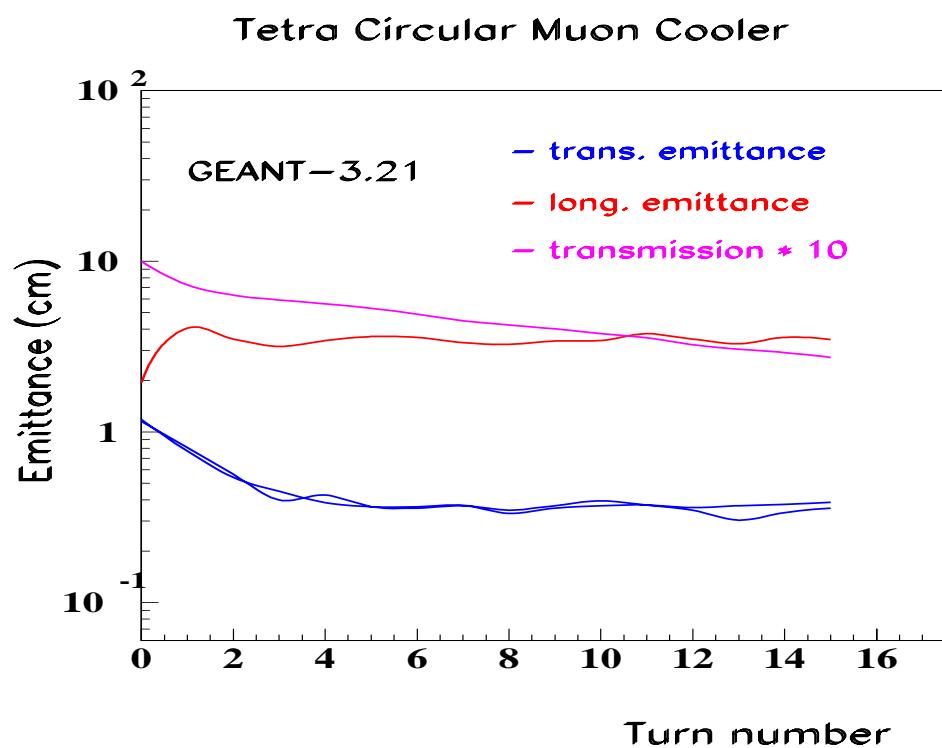


Fig.6 Emittances ...

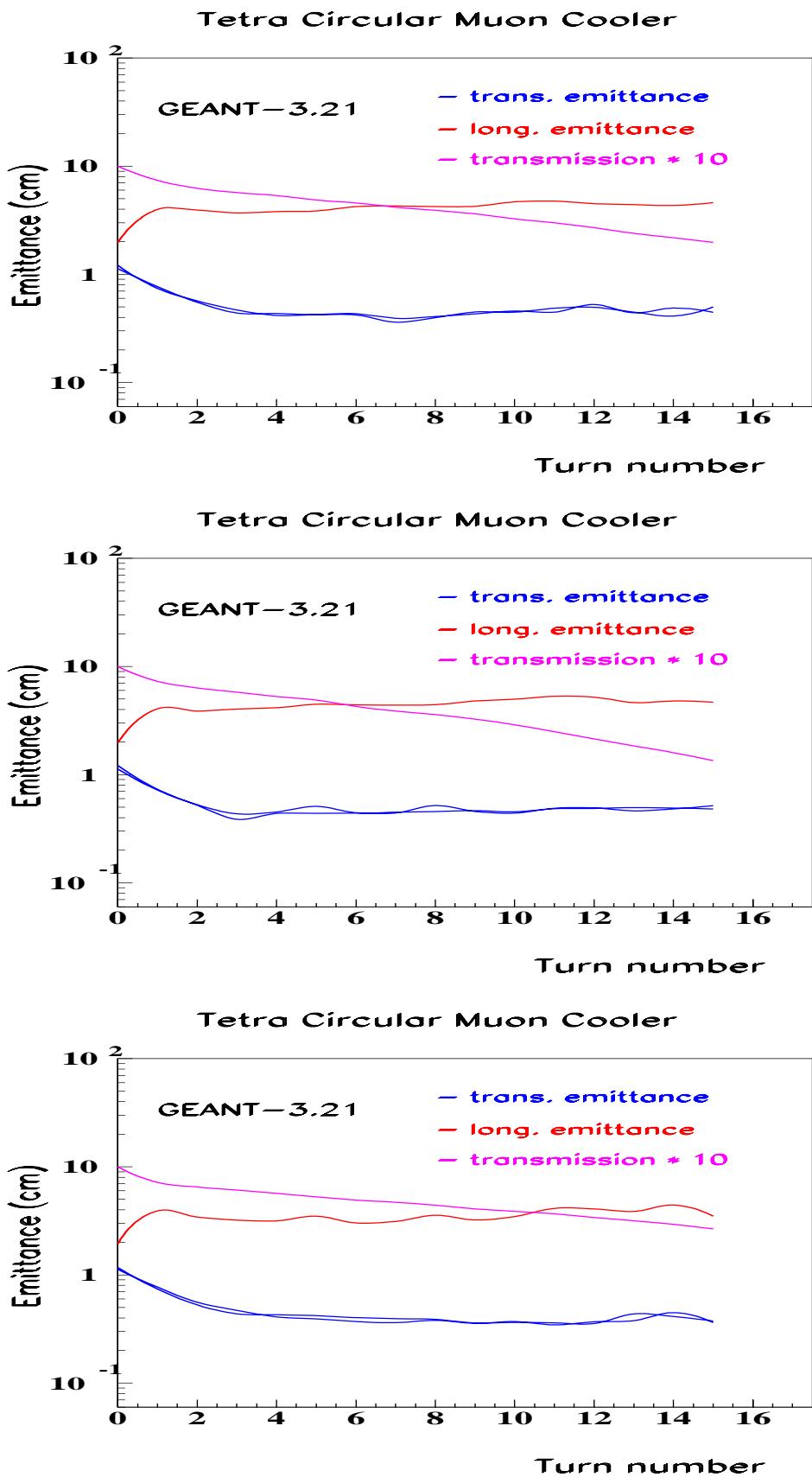


Fig.7 Emittances, transmissions: no abs - upper, wrong pos absorb-middle, right pos absorb-down