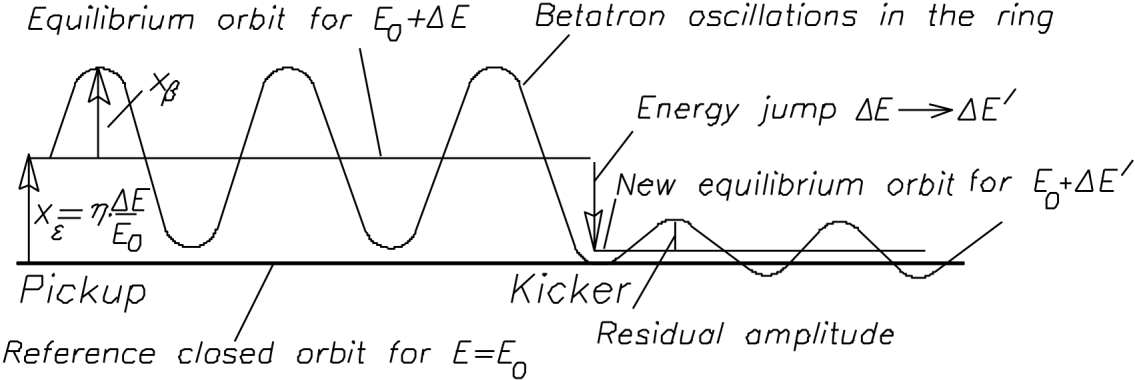
Equilibrium orbit for $E_0+\Delta E$
Betatron oscillations in the ring
x_β
Energy jump $\Delta E \longrightarrow \Delta E'$
New equilibrium orbit for $E_0+\Delta E'$
$x_\varepsilon = \eta \frac{\Delta E}{E_0}$
Pickup
Kicker
Residual amplitude
Reference closed orbit for $E=E_0$