lons with e- bunch trains-3/14/2007



Bunch



Bunch

e- mean vertical position 45 bunch train



Bunch



Turn-by-turn mean vertical position (movie). Vertical oscillation at ~bunch 30.

Filled 45 bunches with 14 ns spacing @I=0.75mA/bunch.

Turned off all e+ feedback

 σ_v (beam size monitor)=175 μ m

Single turn mean vertical position (10,000 turns) File:1088

bsm23w01088 results





Bunch











Turn-by-turn mean vertical position (movie). Large vertical oscillation at ~bunch 30.

Changed SQ 48's to raise vertical beam size. Filled 45 bunches with 14 ns spacing @I=0.5mA/bunch.

 σ_v (beam size monitor)=290 μ m

Single turn mean vertical position (10,000 turns) File:1091

bsm23w01091 results



