Comparison of Rediffused vs. no Rediffused Electrons

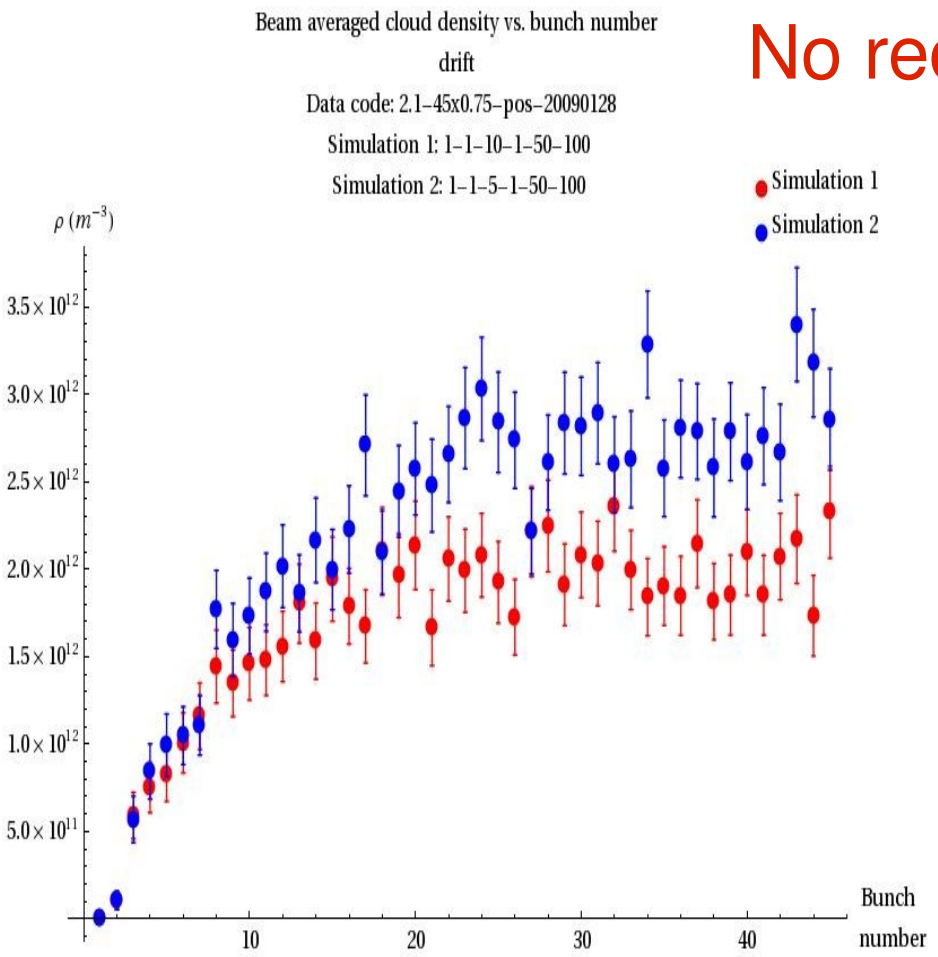
Data of Jan. 28, 2009, 45 bunches of 0.75 mA positrons at beam energy 2.085 GeV

Blue: Nominal rate of rediffused electrons

Red: No rediffused electrons

Beam-Averaged Density

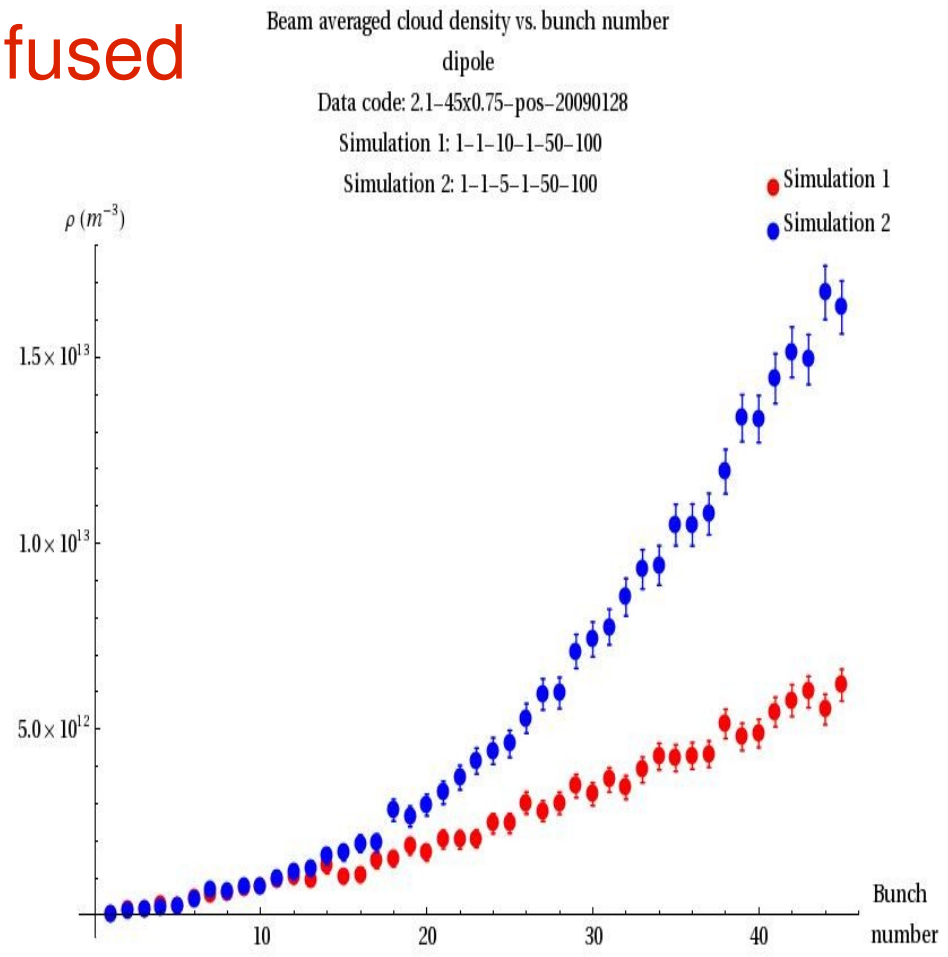
Drift



rediffused

No rediffused

Dipole



Coherent Tune Shifts vs. Bunch Number

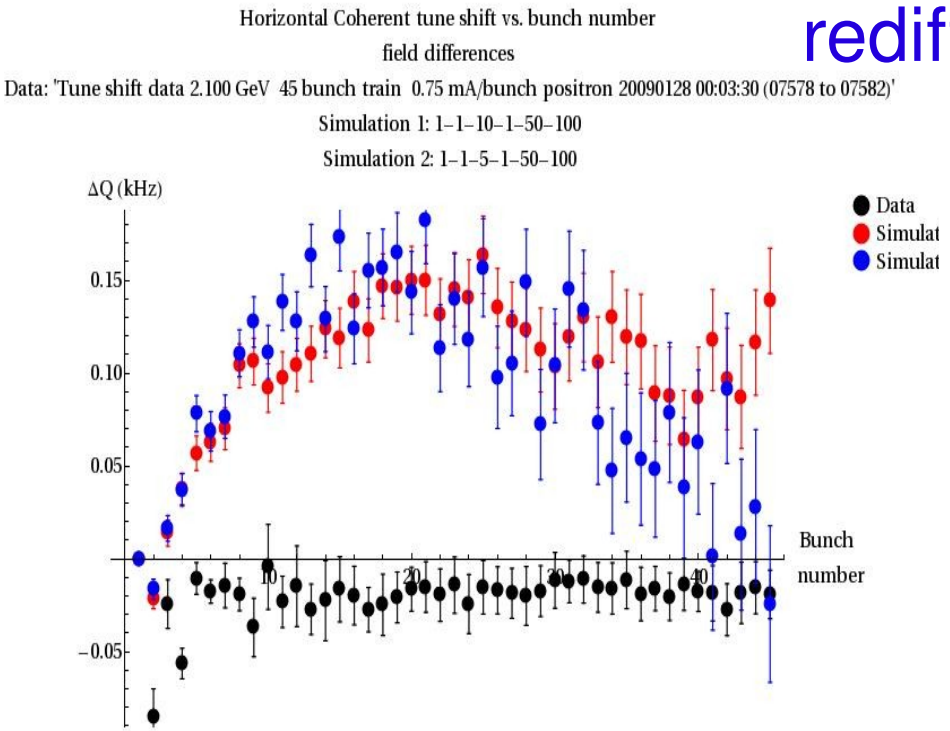
data

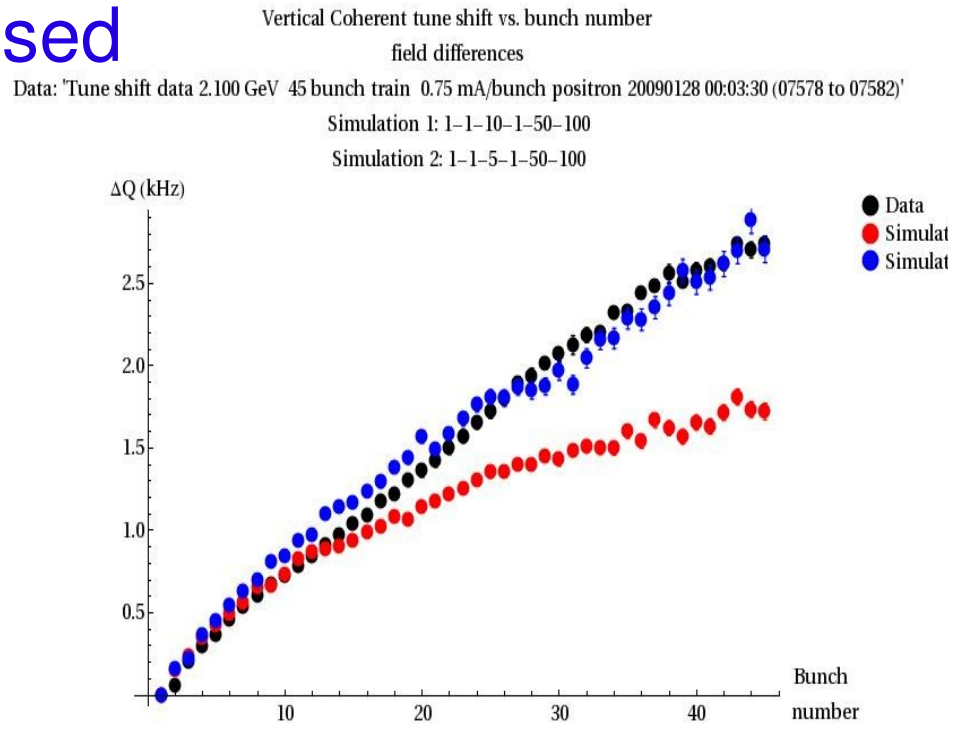
Horizontal

No rediffused

rediffused

Vertical





Tune Differences from Data

No rediffused

rediffused