Summary of April 6, 2004

• Goal:
  To accelerate the intense bunches generated by barrier RF stacking from 8 GeV to 120 GeV.
• Parameters:
  ▪ Booster injection turns: 2, 4, 6, 10 and 12.
2-turn injection

Bunches after debunching, squeezing and recapture, prior to acceleration

Beam intensity during the cycle
4-turn injection

Bunches after debunching, squeezing and recapture, prior to acceleration

Beam intensity during the cycle
6-turn injection

Bunches after debunching, squeezing and recapture, prior to acceleration

Beam intensity during the cycle
10-turn injection

Beam intensity during the cycle
12-turn injection

Beam intensity during the cycle