

IBS ms plan December 5-9

Repeat size vs RF voltage, horizontal vertical and longitudinal

Determine appropriate working point

Bunch current: 0.5 mA and 1mA from 1 to 6 MV

What is the tolerance to shaking

1. CD40
2. V15
3. Zero eta

IBS decay with eta free (c-line availability?)

- Refer to tune scans for starting point
- Electrons and positrons
- Vs several coupling 8 data points
- Vary RF voltage

Thursday – 2.3 GeV

- zero v15 lattice
- IBS vs coupling 8

Friday – 2.085 GeV (try for electrons), injection tuning (coupling 8)?

- 3ma curvature study
  - o curvature vs RF voltage from 6mA to 2mA
- Original optics cd40 ibs scan
- Vs coupling 8
- Fully coupled

Sunday - electrons