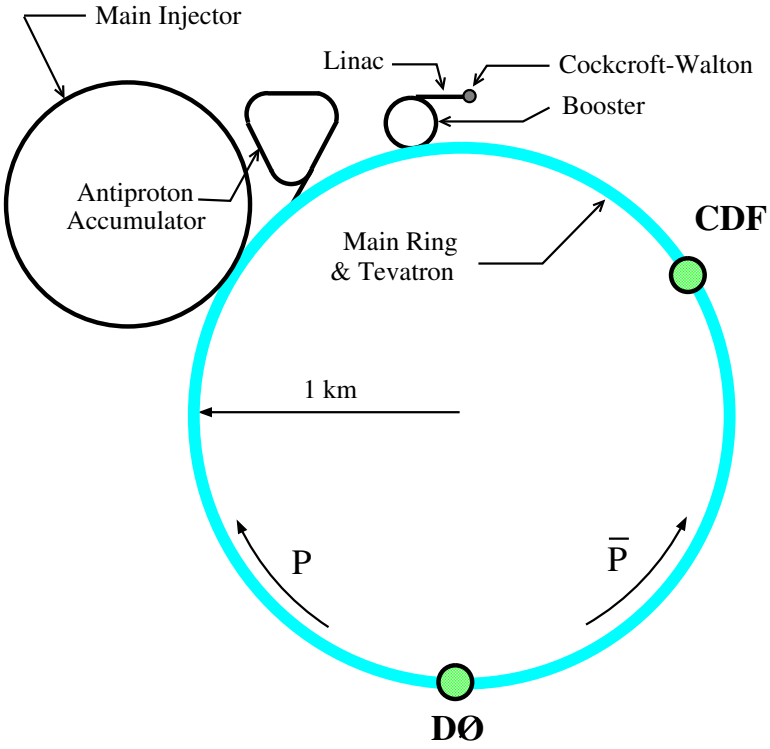
Tevatron Upgrades:



- Commissioning of the Main Injector.
- Beam Energy: 1000 TeV ($\sqrt{s} = 2.0$ TeV)

$$\sigma\left(p\bar{p} \rightarrow t\bar{t}\right) \uparrow 40\%$$

- Luminosity: $2 \times 10^{32}\ cm^{-2}s^{-1}$
  ($\times 10$ increase)
- Beam Crossings:

$$3.5\ \mu sec \rightarrow 396\ nsec \rightarrow 132\ nsec$$

- Delivered Luminosity: ≈ 2 fb$^{-1} \rightarrow 30$ fb^{-1}
  (2 fb^{-1} is $\times 20$ increase)