







- Driven by first 2/3<sup>rd</sup> of the SLAC 2-mile linac
  - new exp. area in Sec. 19-20.
  - new compressor chicane in Sec. 10 for  $e^+$
  - new compressor chicanes in Sec. 19.
  - $-e^{-}$  and slightly later also  $e^{+}$







## • Beam Parameters (typical):

Energy	23 GeV
Charge per pulse	$0.5 - 2.0 \times 10^{10} e^{-} \text{ or } e^{+}$
Pulse length at IP $(\sigma_z)$	15 – 40 μm
Typical spot size at IP $(\sigma_{x,y})$	10 – 20 μm
Repetition rate	1 – 30 Hz
Momentum spread	4-0.5%
Momentum dispersion at IP ( $\eta$ and $\eta$ ')	$\eta < 10^{-5} \mathrm{m}$

- many of these can be tuned to match requirements
- 30 Hz repetition rate



5















8













- First beam 16-June 2011
  - Beam-line commissioning
- Experiment installation  $\approx$  7-July for  $\approx$  1 week
- "User-assisted" commissioning mid July 2011
  2 Months, until early Sept. 2011
- Install S10 e<sup>+</sup> chicane by end of CY 2011
- First user run  $\approx$  Feb. 2011, 2 months
- At present 9 reviewed and approved experiments
- Next user meeting late August 2011.

