Conventional Facilities

NLC 2001 Configuration
Machine Area Layouts

- Interaction Regions
- Illinois Injectors
- California Injectors
- Illinois Main Linac
- California Main Linac
Interaction Regions 25 meter x 440 meter Offset
IR Halls 1 & 2 Footprint

- Both IR Halls are the Same Size
- Detector Base Dimensions
  19.8 meters x 19.2 meters
- IR Hall Plan Dimensions
  62.2 meters x 29.6 meters
- Height?
Illinois Central Injector Layout
California e- Injector

Conventional Facilities Configuration 2001
California e+ Injector
Illinois Main Linac

- N-S Deep Tunnel Site Baseline for Costing
- Modify N-S to Include LCW & Utility Offsets for ~Isolation
- Modify N-S to adopt 90F LCW Cooling, Semi-Centralized Pond Cooling for 33°F ACS & 65°F KCS @ 9 Month Run
- Modify N-S for Central Injector for Current IR Hall Configuration
- Modify N-S to Integrate Power Resource Development
• Site 135d Cut & Cover Baseline for Costing
• Modify 135d for Decentralized Injectors
• Modify 135d for Current IR Hall Configuration
• Modify 135d to adopt 72F WB, 82F LCW, Distributed Cooling Tower Based Cooling with 33 °F Δ ACS & 65 °F Δ KCS @ 9 Month Run
• Modify 135d to Integrate Power Resource Development
Conventional Facilities

NLC 2001 Configuration

END