

LBNF Beamline Status

- It's crunch time
 - Final design proceeding across all systems
 - 15 Final Design Reviews planned by next summer
 - Must be ready for DOE review in mid-2024
 - Necessary to get timely approval for construction funding
 - Lengthy conventional facilities construction before we are ready for beamline installation
- Need better communication
 - AD provides 70% of labor for LBNF beamline in design phase
 - Total includes management and safety
 - Projects are the highest priority for all lab divisions
 - Use this report each week to keep AD staff up to date on our status and needs
 - Will rotate through Beamline system managers to provide reports on their work areas

Highlights of Status and Plans

- Prepare for review
 - **Complete designs**
 - Update construction schedule and cost estimates
 - Prepare other required documents
- Prototyping and Early Construction Work
 - Horn A prototype
 - Validates construction concepts for all horns
 - Horn Power Supply
 - Single cell test now running at A0
 - Now buying components for full-scale horn test-stand supply
 - Kickers
 - Purchasing caps and ferrites, full-scale prototype
 - Beam windows
 - Prototyping primary beam window cartridge and exchanger for decay-pipe window
 - Instrumentation
 - Prototyping Horn Hydro-Level System

