Project X – The Accelerator

- Project X consists of a series of accelerators based on superconducting technology that can ultimately deliver 1 MW @ 1 GeV - 3 MW @ 3 GeV - 0.2 MW @ 8 GeV - 2 MW @ 60-120 GeV with a total of more than 6 MW of proton beam power available.
- The project capitalizes on significant investment in, and rapid development of, superconducting rf technologies over the last twenty years.
- The Accelerator complex is described in 3 construction stages, successively replacing older infrastructure at FNAL and feeding high intensity beams to various experiments including the Main Injector.
- Project X will provide world wide unprecedented intensity high energy (60-120 GeV) beams
- The accelerator technology and its application reaches out to other areas of science, e.g.: spallation neutron production, nuclear energy (ADT and ADS), nuclear physics, material science.
- Project X will be competitive or exceed the next generation spallation source intensities. It will provide intensities across a broad range of beam energies beyond the capability of any other proton facility complex planned or in operation world wide. Project X is building on the experience gained from the construction of the SNS in Oak Ridge recently finished.

The Project is ready to initiate construction