Proton (i.e. Project) X as a Proton Driver: What’s New?

Recent History of PX

 IC-1 (Pulsed Linac to 8 GeV)

 With upgrade path to 4 MW

 IC-2 (CW Linac to 2.X GeV plus RCS)

Current Plan for Phase I

 IC- 2’ (CW Linac to ~ 2.6 or 3 GeV)

 Less Beam Current?

 650 MHz RF

Possibilities for Subsequent Phases

 Extend the Linac

CW or Pulsed?

To What Energy?

For What Purposes? (MI or PD?)

Recent Ideas for Proton Driver

 Beams hit target from multiple angles

 Resonant Foil Bypass

 Linac Pulsed Synchronously

Other Possibilities

Quick and Dirty Neutrino Factory?

 Use Protons from 3 GeV CW Linac at a High Rep Rate