

23 June 2014

~ Schedule:

Waiting for concrete work to finish at Cave 1: penetrations, knee-wall removal. Once this “dirty work” is complete, we can start building a gun and beamline.

Design and build beamline from 350kV gun to 1/4CM (under construction by August 2014)

Test the 1497 MHz choppers with ~ 200W RF power at klystron test stand. This is essential as it helps us finalize the 350kV beamline. Adderley and Grames working with Wissman now.

CIS to design beamline from 1/4CM to HDIce (and thereby generate a complete engineering parts list. Complete by mid-July, 2014)

Cryo supply and return lines? Controls can happen much later

SRF to Install 1/4CM (Dec 2014)

Racks above cave, begin populating racks with electronics. HPA and klystrons (task A), racks for I/C (task B). Want to see racks above cave during Fall 2014

Outfit the new control room (Spring 2015)

Build Cave#2 (Facilities, complete by summer 2015?)

With Cave2 complete, build the MeV beamline from 1/4CM to HDIce (by Fall 2015)

PSS/ODH installation (by Fall 2015)

Beamline under vacuum, finish connecting components, alignment (by Fall 2015)

Implement Software control (by Fall 2015)

1/4CM cold, make beam, commission beamline (Dec 2015 - Jan 2016)

Beam on HDIce target (Feb 2016)