In attendance: Andrew Hutton, Hari Areti, Evelyn Akers, Kevin Jordan, Matt Poelker

Bill Merz, Tim Michalski, Kelly Dixon

Mike Drury

Matt Bickley, Pam Kjeldson

The meeting was mostly good. Andrew wants all vested parties to “get on board”, to get the ball rolling, to see some progress.

We reviewed Kevin’s WBS milestone page, and version1 schedule.

WE agreed, the three big concerns now are: Facilities and new cave construction, Cryo plumbing and controls and how to share this resource amongst all Test Lab LHe users, and RF systems including HPA/klystrons. WE are going to work these three sections hard.

Need to give Bill Merz a parts list: how many things do we have, how many do we need to make or buy

Who will operate this test stand? CIS and HDIce initially, we think. How will the test stand be supported when things are broken? EES on-call, ops on-call? Software on-call?

Does this test stand represent the 3rd on-site accelerator? We hope not. Will there be ESADs and RSADs?

Kelly Dixon. This project is not on their to-do list. The schedule is not realistic. Will contemplate a more realistic schedule. CTF LHe capacity is a big issue, too many people need LHe. WE point out it’s OK for spare 1/4CM to sit at 4K much of the time, and we can work out a schedule between Test Lab users.

Within Engineering: SSG, RF, designers, and Cryo are pressed for time. DC power and I&C not as bad, they could have time to help.

Key Deliverables by WBS for UITF

Kevin Jordan 12/12/2014

Key Dates:

Cave complete – 9/1/2015

PSS complete – 9/15/2015

¼ Cooldown – 10/1/2015

¼ Cryomodule commissioning complete - 11/1/2015

10 MeV beam – 12/1/2015

Shutdown for “Pit” construction Christmas break 2015

Pit complete - 1/15/2016

HDIce Installation complete - 3/1/2016

First HDIce run – 3/1/2016

2.0 Civil Infrastructure

 2.1-6 Facilities management; Complete test cave 9/1/2014

2.7 Cryogens – transfer line & “U” tubes for ¼ cryomodule & HDIce dewar refilling with He gas return and associated controls

 2.8 LCW for magnets in cave & power supplies (DC & RF)above cave

3.0 Personnel Safety System

 This is for a single entrance cave and only “Safe/Beam Permit”

4.0 Accererator Systems

 4.1 Electron Source – Matt P. injector group

 4.2 1497 MHz Buncher cavity, water skid, & interlocks – Mark Wissman

 4.3 Pair of 1497 chopper cavities, water skid, & interlocks

 4.4 Beamline; gun to ¼ Cryomodule – magnets & power supplies

8 sets corrector pairs, Wien filter, 7 solenoids

 4.5 ¼ Cryomodule delivery & commissioning – Mike Drury

 4.6 ¼ to HDIce beamline TBD

4.7 Diagnoistics; BPMs (cavities from Hall) wire scanner, viewers – CASA/Engineering

4.8 Vacuum for entire machine – Engineering

4.9 Stands & supporting structures

4.10 Installation

4.11 Alignment

5.0 Drive Laser – Injector group

6.0 RF Systems

 6.1 HPA power supply for 3 klystrons & “Siedman” interface – R. Nelson

 6.2 3 Klystrons, waveguide, circulators & couplers – Rick Nelson

 6.3 2 – 200 Watt 1497MHz solid state amps for chopper – Curt Hovator

6.4 Low Level RF systems – 1 drive laser, 1 buncher, 2 choppers, 2 ¼ CM cavities = 6 systems – Curt Hovator

6.5 Master oscillator – Curt Hovator

6.6 Interfaces, cabling & interlocks – Engineering

7.0 Controls

 7.1 Software – Should be >95% copies of existing systems – Matt Bickley

 7.2 Machine Protection – should be minimal since current will be low

 7.3 Cryogenic interface & controls – TBD

 7.4 Diagnostic controls - KJ + Engineering

8.0 Commissioning

9.0 Experiment Installation

10.0 Operations