

Milestone lists as discussed at 11/20/13 weekly meeting:

Not in yet...

3He target -- Gordon Cates

GRINCH -- Todd Averett

Coordinate Detector -- Mahbub Khandaker

1. Complete mechanical checkout and light enclosure tests of prototype
- 05/15/2014 (3 months float)
2. Place purchase orders for scintillators/fibers
- 07/15/2014
3. Fully instrumented detector planes ready
- 05/15/2015 (6 months float)

Ecal -- Bogdan Wojtsekowski

1. July 2014: Develop concept of annealing, float is 2 months
 - i) Test
 - ii) Design
 - iii) Budget
2. May 2016: ECAL electronics is ready, float is 6 months
 - i) Inventory
 - ii) Design
 - iii) Construction
 - iv) Test
3. Sept. 2017: ECAL is ready for GEP5, float is 9 months
 - A) Design
 - B) Budget
 - C) Construction
 - D) Test

FastBus DAQ -- Alex Camsonne

- Board flipping result June 2014
- board flipping with fast clear September 2014
- board flipping with event blocking November 2014
- board flipping with event blocking multicrates Jan 2015
- Test 20 K input rate data integrity March 2015
- test 200 KHz L1 and 4KHz L2 June 2015 one crate - Milestone June 2015
- test 200 KHz L1 and 4KHz L2 June 2015 all crates - Milestone September 2015
- A1n Spring 2016
- Full Fastbus DAQ Fall 2016

HCal-J -- Gregg Franklin

Jan. 2014

Completion of Mechanical Prototype

April 2014

Delivery (to CMU) of FNAL Extruded Scintillator,
WLS, Light Guide Components
Completion of Working Prototype

June 2014

Completion of Detailed Design
Initiate order for Front/Back Plates, Ribs (\$??.. need cost estimate)
Initiate order for Can and Cover (\$14k)
Initiate order for iron absorbers (\$85k)
(Note: really should be earlier)

Sept. 2014

Preparation of scintillator, light guides completed
Initiate assembly of modules (18 months?)

Jan. 2016

Complete assembly of modules (\$??)

Front tracker -- Evaristo Cisbani

Primary Milestone:

Feb/2016(+2M): Six GEM chambers completed and available at JLab (each chamber has 3 GEM modules)

Secondary Milestones:

Jun/2014: Three GEM modules (4,5,6) assembled and tested

Sep/2014: All front-end electronics delivered to Rome for testing

Dec/2014(+1M): Three GEM modules (7,8,9) assembled and tested

Jan/2015(+1M): Nine GEM modules (1,2,3,4,5,6,7,8,9) delivered to JLab

Jun/2015(+2M): Six GEM modules (10,11,12,13,14,15) assembled and tested

Jan/2016(+2M): Nine GEM modules (10,11,12,13,14,15,16,17,18) delivered to JLab

I brackets uncertainty (M=Month) mainly related to delivery of GEM material from CERN.

Segmented Timing Hodoscope - John Annand

1. Purchase scintillator and light guides. *Completed*
2. Glue light guides to scintillator. *Completed*
3. Design PMT base for scintillator operation of ELT9125 29mm PMT (from BaBar DIRC). *Completed*
3. Wrap 1 bar (curved light guides). Black paper around scintillator, Al-mylar around light guide. Outer wrapping Tedlar sheet. Fit 2 29mm PMT + redesigned base. *Completed*
4. Measure timing resolution, pulse-height uniformity etc. with cosmic-ray muons. Use NINO discriminator card for tests. *January 2014.*
5. Wrap 90 bars. *April 2014.*
6. Produce 180 PMT bases. *June 2014.*
7. Sealed enclosure for PMTs (machined by Cal. State). *??*
8. Ship bars and bases to JLab. *August 2014.*
9. Produce 12 NINO cards for front-end readout. Have to find new account to fund this. *September 2014??*
10. Mounting for hodoscope in BigBite detector stack (JLab) *End 2014??