

SNuMI status 1

- **General structure of RLS for SNuMI phase I is in place**
 - still filling in M&S and manpower costs
 - still we do not have an updated overall cost schedule from the one presented in late spring 2006 (but do not foresee any substantial increase in M&S)
 - no formal cost BOE ready for the November review
- **Booster and MI upgrades**
 - Booster rep rate upgrade, addition of 2 RF cavities in MI relatively well understood for phase I
 - still investigating if we need MI cooling ponds upgrade (~MI60) for phase I
- **Recycler upgrades**
 - still open questions on the specific dipole magnets to be used in the transfer lines (do we need to build new 8 GeV large aperture magnets ?)
 - 5 kicker magnets needed: specifications almost done, not much work on cost estimate yet

SNuMI status 2

▪ NuMI target Hall

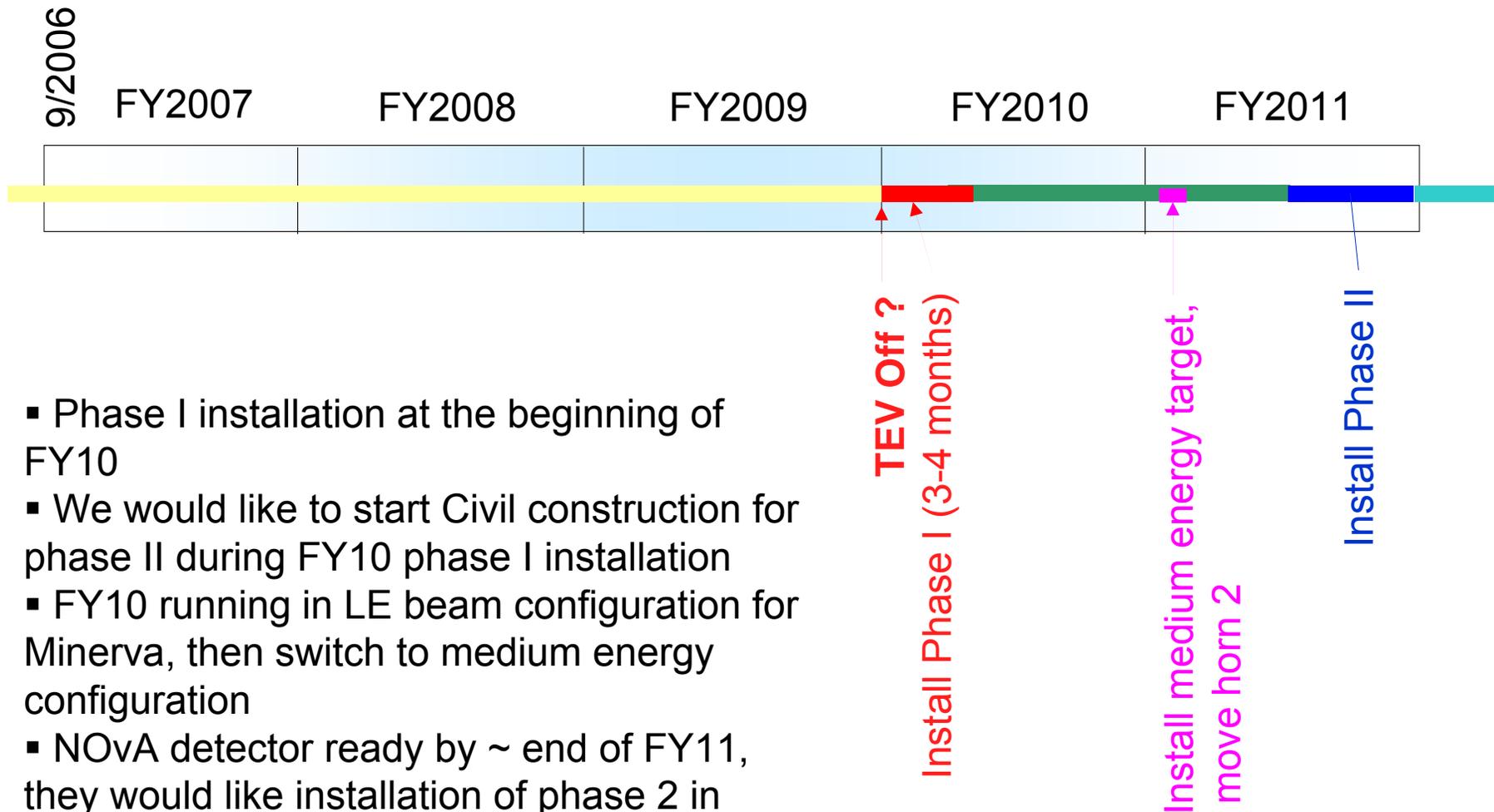
- this is probably the hardest part of the project
- we have been suffering a lot from lack of essential resources still busy to fix recent failures in the NuMI line
- getting more help from Pat Hurh
- air cooling upgrade of the target chase probably OK for phase I
 - progressing well on interactions with the experiments (NOvA and Minerva) to come to a definition of the requirements of the SNuMI line
- my biggest worries: remediation of the tritium problem, corrosion of components in the target chase, understanding of residual activation levels in the target hall for SNuMI

SNuMI status 3

▪ Civil construction

- phase I:
 - 30'×50' MI-14 building for kickers (~ \$0.5-0.75M)
 - 30'×50' MI-39 building for kickers (~ \$0.5-0.75M)
 - 4th anode supply room at MI-60 (≤\$1M)
 - investigating possibility of creating roof hatches in the MI-60 RF bay area to allow insertions of additional bus bar packages down existing extra penetrations
 - upgrade of the MI pond at MI-60 ?
- phase II:
 - Accumulator transfer lines (D. Bogert, D. McGinnis, S. Werkema, J. Lackey)
 - coming to a definition of the bend points of the AP4 line (connecting Booster to Accumulator)
 - possible layout of the AP5 line (connecting Accumulator to MI8)
- overall good progress (D. Bogert & FESS)
 - need to understand interference of accelerator operation/civil construction

SNuMI timeline (?)



- Phase I installation at the beginning of FY10
- We would like to start Civil construction for phase II during FY10 phase I installation
- FY10 running in LE beam configuration for Minerva, then switch to medium energy configuration
- NOvA detector ready by ~ end of FY11, they would like installation of phase 2 in FY11