



NOvA interactions with OHEP & other items on Ed's list

John Cooper & Ron Ray
Working Group Meeting
December 7, 2005



Rollercoaster Week?

- **Nov 29: CD-0 signed by Ray Orbach**
 - * A generic accelerator-based electron neutrino appearance experiment to measure neutrino mixing and to probe the neutrino mass hierarchy
- **Nov 30: Mike Procaro**
 - Wanted more input on LLP
 - \$ 7 M for access road work....
 - No date set for CD-1 review yet, sometime in the spring
 - DOE wants to see that we are ready for a review before setting a date
 - Asks if we are having a Temple review
 - No, trying for speed, see schedule we sent
 - Will work around schedule details as long as DOE has good materials
- **Discussed with NOvA L2, took some wind out of our sails**
 - Since we know not scheduling Lehman right now means a delay of some months for CD-1 Review
 - April date still penciled in?
- **L2 reaction and Mike's question started me thinking that we needed Temple in Feb if no DOE**



Dec 1, more with Mike Procaro

- **PEP discussion: Ron, John, Mike**
 - M&O Contractor, not URA
 - More details describing NOvA, but not technical
 - Insert NOvA specifics in sections on value management, configuration management, QA, risk management to get greater credibility
 - Unique size,
 - Done, returned to Mike yesterday
- **Also discussed eventual need to detail relationship with U of Minn**
 - Grants = 1 or 2 times per year
 - Cooperative Agreements = 1 allocation and ability to stop work
- **We double checked his expectations on draft CDR in mid-Dec**
 - No \$ agreed, expects to see \$XXX - \$YYY for now.
- **We asked how do we meet the “must have CD-2 by June” rule without a CD-1 ASAP?**
 - DOE - OHEP has a work-around plan
 - DOE plan hinges on VERY good quality documentation from us and stellar reviews
 - Better a little late with a polished 1st class product than on time but flunk the review
 - DOE also needs to officially wait until their advisory panel (NuSAG) acts
 - DOE also waiting for their budget information for FY07, implies few months
 - Then something like: ”did really really well on CD-1, making good progress” somehow still makes the grade for a line item in FY08.



My Summary Slide from Dec 3 NOvA Collaboration Meeting

- We can only soldier on as fast as possible
- If no Lehman Review gets scheduled for February, I will ask for a Temple Review in February
 - **We must complete the documentation**
 - R&D progress must be a secondary concern
- **This is all a very tall order**
 - If you can help, please jump in
 - Each Level 2 manager is talking today
 - Ask them what they need to do this job, pitch in & help them
 - Don't expect “fun work”

Consider this to be
My official request



Italian Collaborators?

- Padova: Mario Posocco & Mauro Morandin
- Ferrara: Roberto Calabrese
- Rome: Giancarlo Piredda
- Bologna: Stefano Zucchelli & Franco Rimondi
- Pisa: Luciano Ristori
- Met with them most of Dec 2, they attended Collaboration Meeting Dec 3-4
- **They are hoping for a group of ~ 20 to join NOvA**
 - But they have to negotiate the Italian bureaucracy first !
 - Almost as hard as in the US (but no P5, they note):
 - A roadmap group, a scientific approval committee, detailed funding request, hopefully an allocation of funding to start in calendar 2007
- **Conclusion, no help on funding for CD-1 or CD-2**