

Subject: RE: FY13 Muon upgrade R&D funding
From: "Liss, Tony M" <tml@illinois.edu>
Date: 10/22/12 5:56 PM
To: "Venetios.Polychronakos@cern.ch" <Venetios.Polychronakos@cern.ch>
CC: "Liss, Tony M" <tml@illinois.edu>

Hi Vinnie,

As you know we are working on the nSW readout system. Later this week we will be at CERN for a few days to work in the test beam to get some hands-on experience with the VMM chip. We plan to get an RCE board from SLAC by the end of the calendar year and a VMM2 from you in spring 2013. Our plan is to begin testing the VMM with the RCE, probably starting with a VMM1 so that we can make some progress before the VMM2 arrives. We are designing a test board for the VMM2 so that it can be pulsed without a chamber, but ideally we would like to test the full chain with a MM test chamber sometime in 2013. There is also some possibility that we could use a test beam at SLAC next year, but that remains to be seen. I have one engineer working on this project (Todd Moore), and a new student has started work with me and is being supported by the University. The student and Todd are learning the framework for writing firmware for the RCE (RTEMS) so that we are ready to start work when the RCE board arrives from SLAC later this year.

In terms of project support, I need support for 0.5 FTE of Todd's time (\$70,211, loaded). There is no need for COLA, and at this time we don't need any M&S support (we already have the ATCA crate needed for the RCE). We will need travel funds, mostly for trips to SLAC and one or two for me to CERN for muon meetings. To summarize:

0.5 FTE engineering (Todd Moore) - \$70,211
2 trips to SLAC for Moore and Liss, 2 trips to CERN for Liss: \$8,000 (based on \$1K/person/trip to SLAC, \$2K/person/trip to CERN - loaded)

Total: \$78,211

Let me know if you have any questions.
See you at the test beam!
-Tony

-----Original Message-----

From: Ven Polychronakos [<mailto:Venetios.Polychronakos@cern.ch>]
Sent: Friday, October 19, 2012 4:31 PM
To: kj; Jim Bensinger; Liss, Tony M; Steve Ahlen; Bing Zhou; John Huth; Melissa Franklin
Cc: Frank Taylor; Abe Seiden
Subject: FY13 Muon upgrade R&D funding

Dear All,

It seems that, at long last, our management is about to consider the FY13 upgrade R&D budget. As you might know the "budget targets" for FY13 were established long ago. They only include U.Az. and BNL since these were the only institutes involved in the past several years (Brandeis has also been interested in the upgrade from day 1 but their needs come a bit later). After the submission of our letter of intent following the Brandeis meeting I contacted you and requested \$\$ for the new groups at the amounts you asked for. In addition I added 50k for Harvard although, at the time, I didn't have a specific request but knew of their interest both in electronics and chamber technology.

On November 6 our management will "scrub" the budget requests and decide how to allocate the limited (you guessed that, I'm sure) funds.

For this exercise I will need:

1. A brief statement of what you will do in FY13
2. A breakdown of the requested \$\$ in Manpower (FTE, names(s) of person(s) involved, cost, and COLA if applicable), M&S, and Travel.

I have the information for U.Az and BNL and just need it for the following:

1. U. Michigan 130k
2. BU 50k
3. U. Ill 50k
4. Harvard 50k.

Please try to get this information to me in the next few days and no later than Tuesday October 23.

Thanks and hope for the best,
--Vinnie

--

++++
V. Polychronakos Tel. (631)344-3982
Physics, 510A FAX (631)344-5568
Brookhaven National Lab Home(France)+33 4 50 20 86 99
Upton, NY 11973 CERN +41 22 7672776, +41 76 487-3121(Cell)
++++