

From: Elton Smith <elton@jlab.org>
Subject: **Re: The PrimEx HyCal for the FCal (fwd)**
Date: May 5, 2010 6:43:12 AM CST
To: Hall D Collaboration Board -- Werner Boeglin <boeglinw@fiu.edu>, brooksw@jlab.org, Curtis Meyer <cmeyer@ernest.phys.cmu.edu>, elton@jlab.org, Eugene Chudakov <gen@jlab.org>, George Lolos <George.Lolos@uregina.ca>, Richard Jones <richard.t.jones@uconn.edu>, Matthew Shepherd <mashephe@indiana.edu>, Zisis Papandreou <zisis@uregina.ca>

Dear board,

We have had some communication with Ashot regarding the possible use of their PbWO4 crystals for the Fcal insert. See exchanges below. It is probably worth discussing implications of using it, even if we thought it was advantageous, so I have added it to the agenda.

Cheers, Elton.

----- Forwarded message -----

Date: Tue, 4 May 2010 11:54:41 -0400 (EDT)
From: Ashot Gasparian <gasparan@jlab.org>
To: Elton Smith <elton@jlab.org>
Cc: Eugene Chudakov <gen@jlab.org>
Subject: Re: The PrimEx HyCal for the FCal (fwd)

Hi Elton,

The timing is important for the PrimEx part also. We will need to finish the PrimEx-II experiment in Hall B before we dismantle the HyCal in parts. The only problem on that planning is that at this stage the Hall B beam time schedule is in complete uncertainty because of the HDice target schedule. According to the upper administration that decision will be made by the end of this May. There is a good chance that we will run this fall, otherwise with the current schedule we are in early 2012.

Hope this answering some part of your question.

Ashot

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On Tue, 4 May 2010, Elton Smith wrote:

Hi Ashot,

Thanks for taking the time to get a consensus on the tungstate blocks. We are currently still in the process of assessing the various benefits in terms of physics and costs in terms of dollars and schedule. An important question that will come up is when the modules would be available for inclusion into the Hall D detector, should that decision be made. Do you expect to complete the PRIMEX run in Hall B this fall?

Thanks, Elton.

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On Mon, 3 May 2010, Eugene Chudakov wrote:

FYI.

We have to discuss it (at the collaboration board?)

E.

----- Forwarded message -----

Date: Mon, 3 May 2010 14:10:15 -0400 (EDT)
From: Ashot Gasparian <gasparan@jlab.org>
To: Eugene Chudakov <gen@jlab.org>
Subject: The PrimEx HyCal for the FCal

Dear Eugene,

Sorry for this long delay in organizing discussions in the PrimEx collaboration the question of the HyCal calorimeter to be possibly used in the GlueX experimental setup.

As we discussed earlier, it is always safer to have a collaboration approval on such an important decision. We have done it now.

So, for the official records, the PrimEx collaboration agrees to use (potentially, if you also decide so) the PbWO crystal part of the HyCal calorimeter in upgrading the inner part of the current FCal calorimeter. With that we will continue to have a full ownership on this detector (it is a \$1M MRI investment from NSF) with some obvious conditions regarding the preparation, design, construction and maintenance of the PbWO part of the FCal calorimeter.

Please let me know if you need more information on this subject.

Regards,
Ashot

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