

$$l \approx 32.85$$

Point
~[3.64 4.93 -32.45] in

Here is the
fuel!

Point
~[12.13 0.46 25.18] in

$$l = 27.95$$

Point
~[-30.36 0.78 12.66] in

$$l = 32.90$$

Point
~[-28.53 -0.54 -3.43] in

$$l \approx 28.74$$



I will take the longer distance:

$$l \approx 32.9 \text{ m} \approx \underline{\underline{82.708 \text{ cm}}} \approx \underline{\underline{83 \text{ cm}}}$$

Subject: RE: Material at He-3 target
From: "Jin Huang" <jinhuang@jlab.org>
Date: Sat, 20 Nov 2010 12:29:24 -0500
To: "Miha Mihovilovic" <miha.mihovilovic@ijs.si>

There is a progress on the investigation, that Yi Qiang found the purchase record by Ed for the target enclosure:

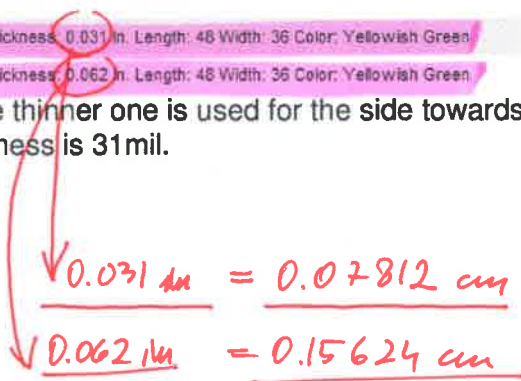
Item(s) for PR # 275258V :

Item #	Part #	Description	Quantity
1	63406884	G11/FR5 Laminate Material: Phenolic Thickness: 0.031 in. Length: 48 Width: 36 Color: Yellowish Green	6
2	63406892	G11/FR5 Laminate Material: Phenolic Thickness: 0.062 in. Length: 48 Width: 36 Color: Yellowish Green	6

First it is G11 rather than G10. Second the thinner one is used for the side towards spectrometer entrance, thick one for operation window. The thick ness is 31mil.

Cheers,

Jin



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

From: Miha Mihovilovic [mailto:miha.mihovilovic@ijs.si]
Sent: Friday, November 19, 2010 7:24 PM
To: jinhuang@jlab.org
Subject: Re: Material at He-3 target

Dear Jin,

Thanks for all information. I would just like to double check if the "plastic" of the target enclosure is really that thin? I remembered it as a thicker than only 0.25mm?

FR-4 : Window glass & Epoxy
 FR-5 : Window glass & epoxy

Thanks,
 Miha

Quoting Jin Huang <jinhuang@jlab.org>:

- >
- >
- > Hi, Miha,
- >
- >
- >
- > The material for target enclosure is 10mil G10 fiber glass. I was using an
- > approximate energy loss of 0.1MeV for it, which should be good enough for
- > purpose of Transversity.
- >
- >
- >
- > Cheers,
- >
- >
- >
- > Jin