

# 10.13.2014 Meeting

Hi All,

We will have a beam line meeting at 10am Monday morning in the Group C conference room.

Agenda:

1) Hall B work - update: Francois and Stepan

2) Documentation: Discussion led by Stepan

Finish, have both procedures and the manual under revision control and properly dated:

3) Target: discussion led by Clive and Marco

The target is in fabrication, some parts have been done already. For the rest we are waiting the delivery of raw material. We hope to complete the work by the end of the next week. That is all we can say at this point. Marco

Here is a set of Goodfellow USA catalog item numbers for target material.

Low density polyethylene

756-605-65, 0.75 mm thick, 300X300 mm, 1 piece, \$132

467-056-08, 0.23 mm thick, 300X300 mm, 1 piece, \$170, -additive free

Carbon: rigid graphite: purity 99.997%

866-940-69, 0.25 mm thick, 50X50 mm, 2 pieces \$279

Tungsten foil, NLT

061-468-05, 4 micron thick, 25X25 mm, 2 pieces, \$1041

The new design no longer allows us to fold the 4 micron stuff to give us an exactly double thickness while easily maintaining the location of the doubled piece. To use a double foil in the new design, we have to rely on hand aligning the doubling piece, and assuming that the clamping force will hold it in place. An alternative would be to use an independent 8 micron piece. We still have to rely on the clamping force, but it's 30% simpler. So, depending on the budget situation, an option would be also to buy some 8 micron stuff:-

848-467-29, 8 micron thick, 25X25 mm, 2 pieces, \$746

What did I leave out?

We still have to figure out how to cut the graphite to size without shattering it, and the super-thin tungsten may present a small challenge also -- it's thinner than the average gap between the blades of a shear, and harder than steel. -Clive

4) Beam line Shifts: Discussion led by Takashi.

According to Stepan's beam schedule, the beam is coming to the HPS area in the mid November. Can we talk about taking beam line shifts between Nov 15 and Nov 25, and between Dec. 2 and Dec. 5? Takashi

5) Other?

Ken

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