

Minutes of the Cyclotron Meeting

Meeting Date: 26/1/12

Meeting Commenced: 09:00

Present:

Sheffield: R. French, P.Hodgson
Birmingham: J. Wilson
Liverpool: P. Dervan

Apologies:

None

Previous Minutes:

Were accepted as a record of the previous meeting

Matters arising from the minutes:

- a) A drawing of the irradiation area. JW circulated this before the meeting. The drawing was discussed in much detail.

Area

- a) In order to determine the box position we need to know the length of the beam pipe sticking out from the magnet (**Action: JW**)
- b) We might need to remove the other users beam pipe when we irradiate. Likewise we might have to remove the box from the area, when they irradiate.
- c) There was a comment that the drawing makes it look like the beam will still hit the control room wall (this needs checking).
- d) The beam current was 0.4 μ A during the fiber irradiation. This could be increased to speed up the irradiation time. But needs checking when we install the box.

1. Electrical-Mechanical:

- a) RF and HM have identified an AC 400mm travel stage (£2000).
- b) The stage uses a resolver rather than an encoder to determine its position. The current control system expects an encoder. HM is working with NI to see if we can use this.
- c) There was a request from RF for JW to see if one of the Hakke chillers was still in Birmingham. They cannot find it in Sheffield.

2. Shielding:

- a) The shielding at Daresbury is a no go. It's earmarked for another experiment.
- b) There is some shielding in ISIS at RAL, which we could use. It needs surveying by radiation protection to see if it is activated. If it is transport will be a problem.
- c) Nothing new from Buxton

- d) PH will call Rockbond to see what it cost/require to make our own shielding
(Action: PH)

3. Dosimetry:

We didn't have a meeting in Sheffield to readout a pin diode. This has now been set for the 17th February.

4. DAQ/DCS:

- a) RF and HM will make a spec for the temperature and humidity sensor readout and forward it to JW for Zen to produce at Birmingham.
- b) RF has tried to control a chiller using RS232. It is more complicated than was first though.

5. Schedule:

- a) Too early for detailed schedule.
- b) PH will try and get a web page setup for useful documents(**Action: PH**)

6. AOB:

Next meeting will be at 09:00hrs 2nd February.

Meeting Closed: 09:50