

# Minutes of the Cyclotron Meeting

## Meeting Date: 19/1/12

Meeting Commenced: 09:00

### Present:

Sheffield: R. French, P.Hodgson, B. Lopez  
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) PD sent a copy of Federico Ravotti's PhD thesis around.
- b) JW sent an email with the dimensions of the shielding wall that is needed. 6m long by 1m thick by 2.7m high. So 20m<sup>3</sup> of high density (2.5g/cc) concrete.

#### 1. Electrical-Mechanical:

- a) RF and HM looking at a 400mm travel stage. Waiting for a quote.
- b) Mechanical work on the foot is on hold until the 400mm stage has been decided on.
- c) Work on the spare lids to be started
- d) Need drawing of the area (**Action: JW**)
- e) Discussed the possibility of turning the box 90 degrees so that the sensors could be irradiated side-by-side rather than stacked behind each other.

#### 2. Shielding:

We now know we need 20m<sup>3</sup> of high density concrete. PH will be in Buxton on Monday, so will see what they have. RF has asked Ian Wilmot to find out who owns what shielding at RAL.

#### 3. Dosimetry:

We will try and arrange a meeting in Sheffield for late next week (Thurs/Fri), where we can try and readout pin diodes (BPW32 etc...) with a Keithley 2410.

Sheffield: Keithley 2410 and GPIB to USB cable  
Birmingham: Pin diodes (hopefully with wires attached that can connect to the Keithley (banana plugs)) and a laptop (PC will need VC++ express and gtk++ installed)  
Liverpool: C++ software (will bring a laptop with the software on it)

4. DAQ/DCS:

- a) Chiller control will be done as needed. Just turn it on to start with.
- b) Pin diode readout (See Dosimetry)

5. Schedule:

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

6. AOB:

Next meeting depends on the visit to Sheffield next week.

Meeting Closed: 10:00