

Email from Ian Shipsey

What we can provide:

1. A Beecroft Laser Lab adjacent to the stairwell. These labs have clean air and close temperature control already running. Optical tables are available. A laser equipment fund paid for a laser system (in Chris Foot's lab) that was purchased with Oxford funds that we will use for AION.

The value of a lab in the Beecroft is about £1M (based on the construction cost of the Beecroft (£50M, that there are about 20 labs and more than half the Beecroft cost was for the lower floors)

2. Site preparation:— drilling two holes through the concrete walls: i. to link the laser lab to the stairwell and ii. to open up the void at the bottom of the stairwell (extra 2.6m of height).

3. Our Mechanical Workshop could build the support structure frame. Oxford will pay for it to be enclosed in copper (for aesthetic reasons)

4. Studentship:- for Chris Foot

5. There are a large number of academics at Oxford in the QSFP program both experimentalists and theorists, and that local community is mutually supportive. In addition we expect to hire several academics in the QSFP program in the next 3 years.

6. Strong possibility of additional private funding. The Beecroft itself received 13.8M in private funding.

7. Note there is also the Van de Graaf tower. That is more expensive to modify (but again Oxford would cover that cost) it has the advantage there is no foot traffic.