



Agenda
for the IXth meeting of PTCOG
September 29th & 30th, 1988
Cambridge, Mass.

Wednesday, Sept. 28th, 1988

3:00-5:30pm Informal meeting of users of the eye-planning program – held in the 3rd floor library, Cox Cancer Center, Mass. General Hospital, Boston.
Open to any interested PTCOG member – but, limited (≤10) seating!

*All PTCOG meeting in the Harvard Faculty Club
20 Quincy Street, Cambridge MA*

Thursday, Sept 29th, 1988

(library of the Harvard Faculty Club)

8:30 Welcome and Introduction

8:40-12:30 Radiobiology of Proton Beams [arranged by H.D. Suit]

8:40-9:30	M. Urano	Review of in vivo and in vitro radiobiology of proton beams
9:30-9:50	L. Verhey	Review of the microdosimetry of proton beams
9:50-10:20	E. Epp	Dose-rate effects in pulsed/scanned beams
10:20-10:40	E. Blakely	Dose-rate effects in pulsed/scanned beams (contd.)
10:40-11:00	<i>coffee break</i>	
11:00 – 11:30	H. Thames	Experimental design and logistics of measuring RBE to high accuracy for clinical use
11:30-12:00	M. Goitein	Tumor Control Probability under conditions of non-uniform dose to the target volume
12:00-12:30	B. Larsson	Radiobiology of accelerated protons from the Gustaf Werner Cyclotron, Uppsala, Sweden

12:30-1:30 *buffet lunch at the Harvard Faculty Club (included in the registration fee)*

1:30-2:30 Radiobiological Experiments Needed: (a) in commissioning a new PMF; and (b) for future refinements of proton therapy [arranged by H.D. Suit]

1:30-2:00	J. Archambeau	Review of Loma Linda's plans for radiobiological measurements
2:00-2:30	H.D. Suit	Lead discussion of the need for additional future radiobiological experiments

- 2:30-4:00pm Lateral Field Edge Definition with Proton Beams [arranged by Marcia Urie]
- 2:30-2:50pm B. Ludewigt Considerations in placement of beam line components in new LBL line
- 2:50-3:10 M. Urie/
J. Sisterson Factors degrading penumbra in existing HCL beam
- 3:10-3:30 A.M. Koehler/
B. Gottschalk Improvement in beam characteristics by placing fixed absorber upstream
- 3:30-3:50 M. Schulze Beam penumbra & other considerations in choosing collimator materials (SAIC)
- 4:00-4:20 coffee break
- 4:20-5:40 General Session for PTCOG member's presentations – part 1
- 4:20-4:40 LL rep Progress report on Loma Linda project
- 4:40-5:00 D. Miller Computer simulation of Loma Linda treatment system
- 5:00-5:20 D. Miller/T. Potts Patient positioning and immobilization
- 5:20-5:40 B. Gottschalk Diode scanning arrays for beam measurements
- 6:00-7:15 **Reception at, and tour of, the Harvard Cyclotron Laboratory**
44 Oxford Street, Cambridge.
- 7:45 **Dinner at the Harvard Faculty Club** (library) (*included in the registration fee*)
- Friday, Sept. 30th, 1988** (*room 8 ± 2 of the Harvard Faculty Club*)
- 7:30am Breakfast meeting of the PTCOG steering committee – location to be announced
- 8:45-9:30 General session for PTCOG member's presentations – part 2
- 8:45-9:10 Y. Hirao HIMAC 800 MeV/n medical synchrotron @ NIRS
- 9:10-9:30 V. Levin NAC output & availability for proton therapy: the clinical implications
- 9:30-12:45 Clinical applications session [arranged by M Austin-Seymour]
- 9:30-10:00 C. Willet Low lying rectal carcinoma
- 10:00-10:30 J. Archambeau Meduloblastoma
- 10:30-10:45 *coffee break*
- 10:45-11:15 H. Tatsuzaki proton beam vs. implant for treatment of glioblastoma
- 11:15-11:45 B. Fullerton cranial nerve/nuclei dose & complication frequency
- 11:45-12:15 R. Miralbell large AVMS
- 12:15-12:45 J. Slater tonsillar fossa
- 12:45-1:30 Organizational matters
- Future role of the 3 working groups
- Future meetings
- Location, content
- Date, desirability of scheduling 2 meetings in advance
- Other business
- 1:30pm *adjourn* (*Presentations subject to change without notice!*)

FUTURE PTCOG MEETINGS

At the most recent PTCOG meeting, held in Cambridge, MA in September, it was agreed that an effort would be made to schedule future PTCOG meetings further ahead in order to give members, particularly those outside the U.S., sufficient time to arrange their travel. Consequently, times and locations have been set for the next three meetings. These will be held as follows:

PTCOG X	Fermilab	April 4 th & 5 th , 1989	allows us to see the Loma Linda synchrotron in test
PTCOG XI	PSI, Villigen Switzerland	Sept 18 th – 20 th , 1989	meeting overlaps with Heavy Particle Therapy Group of EORTC (this is the first PTCOG meeting in Europe)
PTCOG XII	Loma Linda California	spring of 1990	should allow us to see Loma Linda facility in action

A call for proposed topics and for members' presentations will shortly go out. Anyone who has suggestions, or who wishes to join PTCOG, should contact the PTCOG secretary, Michael Goitein, Dept. of Radiation Medicine, Massachusetts General Hospital, Boston MA 02114, USA.