

Announcement

Workshop on Accelerators for Charged-Particle Beam Therapy

Argonne National Laboratory and Fermi National Accelerator Laboratory will jointly sponsor a workshop on medical accelerators for charged-particle beam therapy. The workshop will be held at Fermilab on January 24 and 25, 1985. Attendance will be by invitation.

The purpose of the workshop is to explore the design of accelerators that are suitable for charged-particle beam therapy in a hospital environment. The workshop conclusions will be evaluations of beam parameters, accelerator specifications and designs, and estimates of accelerator and facility construction and operational costs.

Workshop on Accelerators for
Charged-Particle Beam Therapy

Sponsored jointly by
Argonne National Laboratory and
Fermi National Accelerator Laboratory

To be held at Fermilab, January 24 and 25, 1985

Thursday, January 24

9:00 Welcome – L. Lederman

Planned and Very New Clinical Facilities Using Charged Particle Beams

9:15 S. Fukumoto, KEK
“Proton beam therapy at Tsukuba”

9:45 Borje Larsson, Uppsala
“Experience with the 230 cm Cyclotron and Preparations for Future Use”

10:15 Coffee

10:45 Michael Goitein, Massachusetts Gen. Hosp.
“Clinical Specifications for a Charged Particle Medical Facility”

11:15 William Chu, Lawrence Berkeley Lab.
“Requirements for a Charged-Particle Medical Accelerator: LBL Experience”

11:45 Discussion

12:15 Lunch

2:00 – 5:00 Discussion of Beam Parameters and Facility Needs
Chairman: Francis T. Cole

5:30 Social Hour and Dinner 15th floor

Friday, January 25

Proposed Accelerators for Hospital Based Charged Particle Beams

Chairman: Lee Teng, Fermilab

- 9:00 Richard Gough, Lawrence Berkeley Lab.
To be presented by Jose Alonso, LBL
“Heavy Ion Medical Accelerator Options”
- 9:40 H. G. Blosser, Michigan State Univ.
“Cyclotrons for charged Particle Radiotherapy”
- 10:30 Coffee
- 10:40 Bernard Gottschalk, Harvard Cyclotron Lab.
“A 250 MeV synchrotron for Proton Therapy”
- 11:20 Ronald Martin, Argonne National Lab.
“A Hospital Based Proton Medical Accelerator”
- 12:00 Richard R. Wilson, Cornell Univ.
“Accelerators for Proton Therapy”
- 12:30 Lunch
- 2:00 – 5:00 Discussion and Conference Summary
Chairman: Philip Livdahl, Fermilab