

PRESENT STATUS OF CONTROL SYSTEMS OF HIMAC ACCELERATOR COMPLEX

E. Takada, Nirs; M. Torikoshi, Nirs; S. Yamada, Nirs; C. Kobayashi, Aec; T. Kondo, Aec; M. Katsumata, Aec

HIMAC has been in operation as an ion-therapy facility since June '94. More than 660 targets in 639 patients have been treated with carbon beam of 290 to 400 MeV/u in this period. Reliable control system is indispensable element to supply beams for medical practice. System must be easy to operate because daily operation of the accelerator is carried out by operators who are not necessarily accelerator experts. Present status of control systems will be presented for each sub-systems: injector linac, synchrotron rings, and beam transports. Changes and improvements in recent years will be reported, together with problems we have experienced.