

Conceptual Design of MUSES 300 MeV Electron LINAC, Y. KAMINO, MHI; T. KATAYAMA, CNS; M. WAKASUGI, RIKEN - The MUSES 300 MeV electron LINAC provides electron beam to BSR (Booster Synchrotron Ring) and DSR (Double Storage Ring) in Multi Use Experimental Storage rings (MUSES) of Riken RI beam factory (RIBF). This electron LINAC features a compact high energy LINAC with a high quality beam of low energy spread and small emittance. In this paper the conceptual design of the LINAC is presented and the innovative approach to suppress the energy spread is discussed.