

A Parameter list of an S-band Superconducting Linear Collider, J. GAO, LAL/Orsay, France - Started from the physical constraints at the interaction point (IP), a general procedure is given to determine the colliding beam parameters. By using the procedure, a parameter list of an S-band Superconducting Linear Collider (SSLC) is proposed. The main advantages compared with TESLA are its escaping from the danger of dark current at 25 MV/m, its smaller machine dimension, and its moderate ac power consumption.