

83 MHz, 500 ma, 1 ns Electron Gun System,
K. WHITHAM, TITAN BETA - A 100+ KeV electron gun has been built that delivers up to 500 ma of peak beam current in 1 and 4 ns pulses at up to 83 MHz rep rate. This electron gun was designed and built for application at the JAERI superconducting FEL. The design and performance is described.