Status of the TTF FEL

August 2001

Wavelength	*80-180 nm*
FEL gain	10^6
spectrum bandwidth (FWHM)	*0.6%*
FEL radiation pulse energy	*10-15* μ*J*
FEL radiation pulse length	*0.5-1 ps*
FEL radiation peak power	*10-20 MW*
# bunches in a train	*24*
Repetition rate	*1 pps*
FEL radiation average power	*0.2-0.3 mW*
FEL radiation peak brilliance	10^{27} *phot./sec/mrad*^{2}*/mm*^{2}*/(0.1% BW.)*
FEL radiation average brilliance	10^{16} *phot./sec/mrad*^{2}*/mm*^{2}*/(0.1% BW.)*