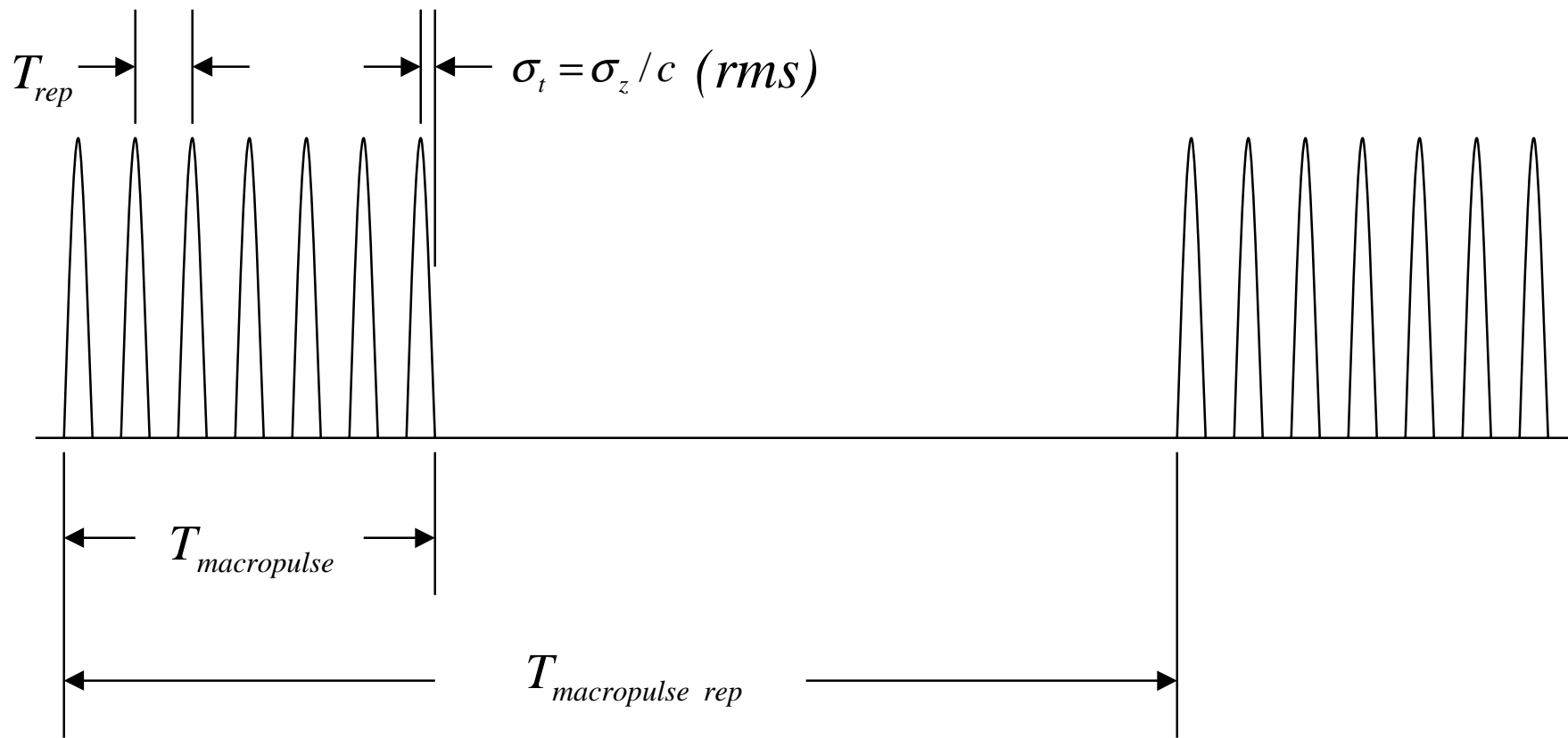


# Time Definitions



# Timing Possibilities

Parameter	ERL Possibilities	Jlab FEL Demonstrated
$\sigma_t^*$	100 fsec – 10 psec	> 330 fsec
Repetition Rate	1 MHz – 1.3 GHz	2 – 75 MHz
Macropulse Duration	1 microsecond - CW	1 microsecond - CW
Macropulse Repetition Frequency	1 Hz-10 kHz or more	0.5 Hz – 60 Hz

\* In Jlab FEL, fluctuation in pulse centroid measured less than 1 sigma

