

In this work we investigate parameters of laser radiation coming from continual titan-sapphire laser 3900S, pulsed titan-sapphire laser Mai-Tai HP and from optical parametric oscillator Inspire made by Spectra Physics. We are particularly interested in dependence of power, width of the beam, noise and beam pointing stability as a function of wavelength. We have also measured beam pointing stability in time and compared it with beam stability during change of wavelength. With pulse laser we are also interested in the spectra and time width of the pulses. We aim to compare the properties of both titan-sapphire lasers and to verify specifications of Mai-Tai and Inspire given by the manufacturer.