

Negative GDD regime

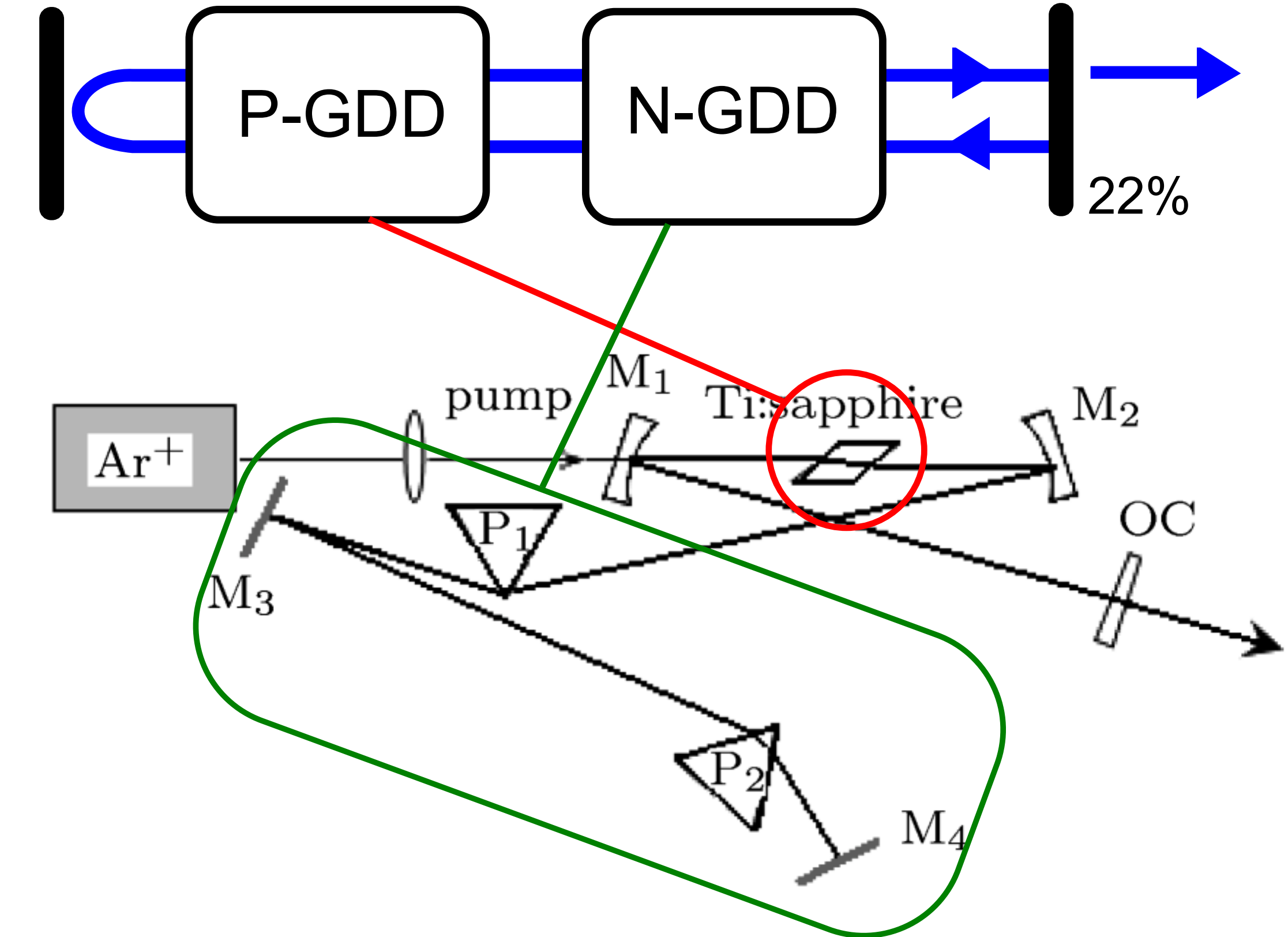


Fig. 1. Schematic of the experimental setup. M_1 , M_2 , dichroic spherical mirrors ($R = 100$ mm); M_3 , M_4 , flat high-reflection mirrors; P_1 , P_2 , fused silica prism sequence for dispersion control with an apex-to-apex distance of 950 mm; OC, 22%-transmission wedged output coupler.

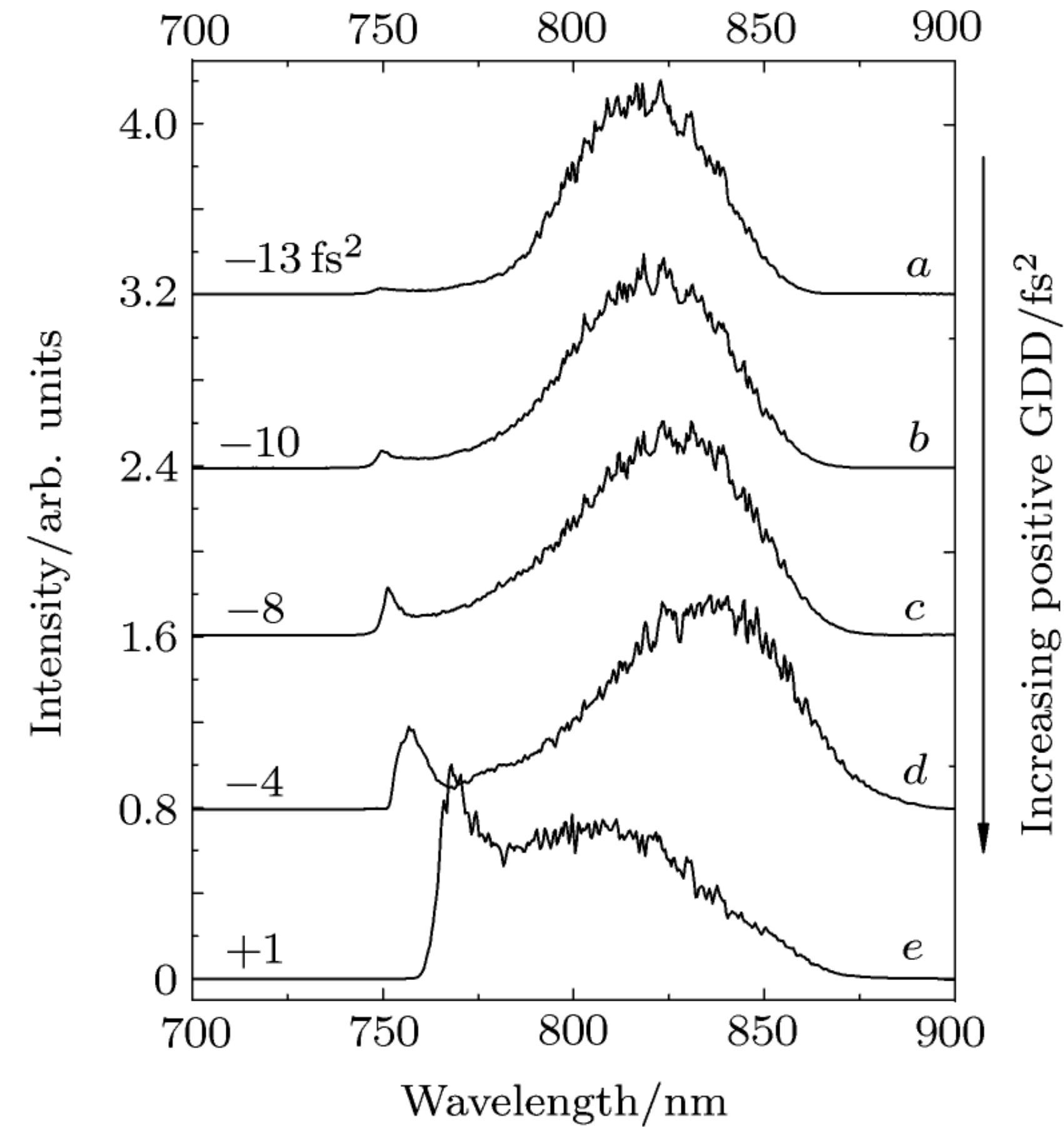


Fig. 2. Spectra with different net cavity dispersions in the vicinity of zero GDD. The GDD values are calculated at a central wavelength of 800 nm.

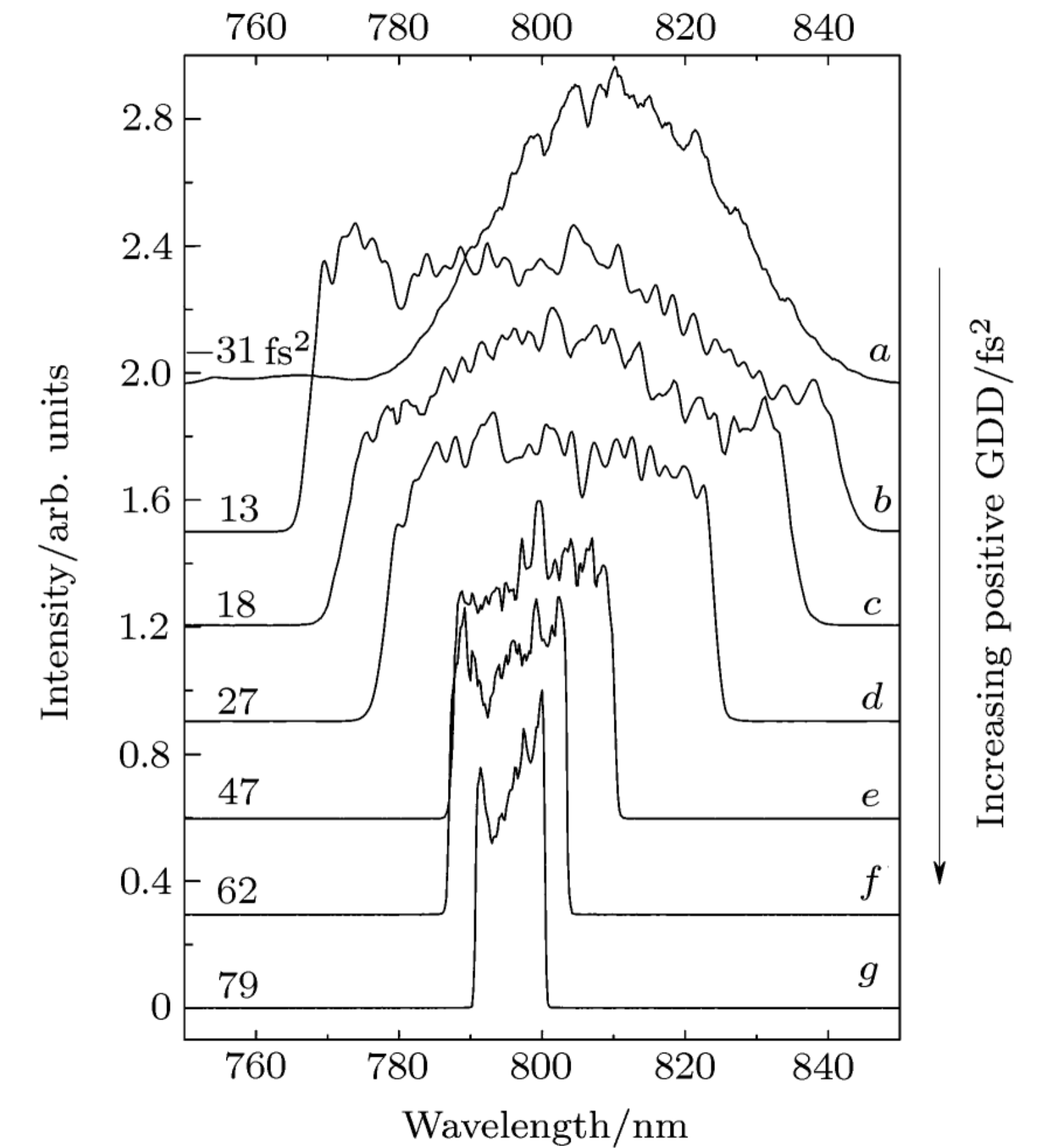


Fig. 3. Variations of power spectra with different insertions of P_2 in the positive dispersion region. The GDD values are calculated at a central wavelength of 800 nm. Curve a: sech^2 profiles, b: asymmetrical spectrum, c: parabolic-like spectrum, d: flat-top spectrum.