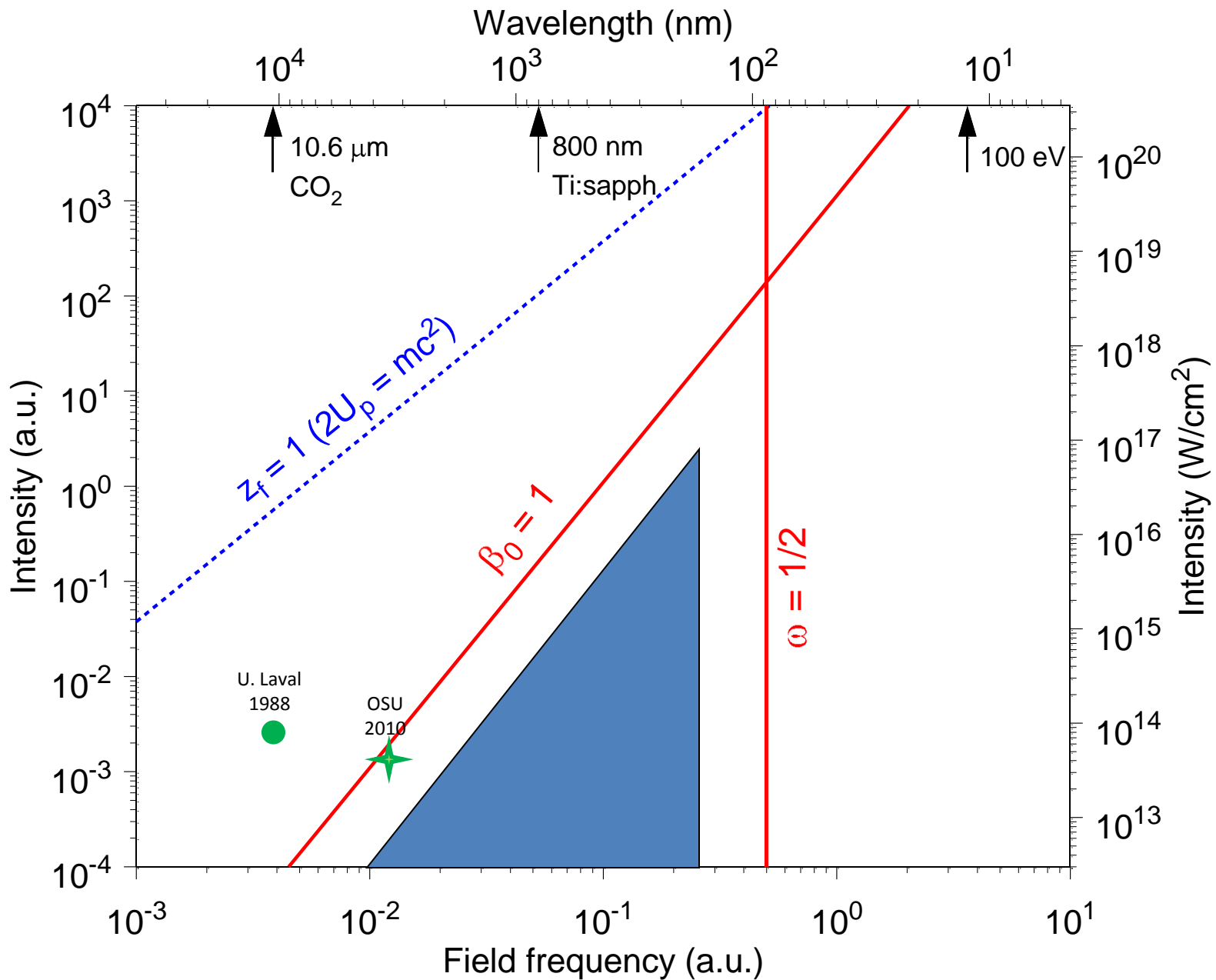
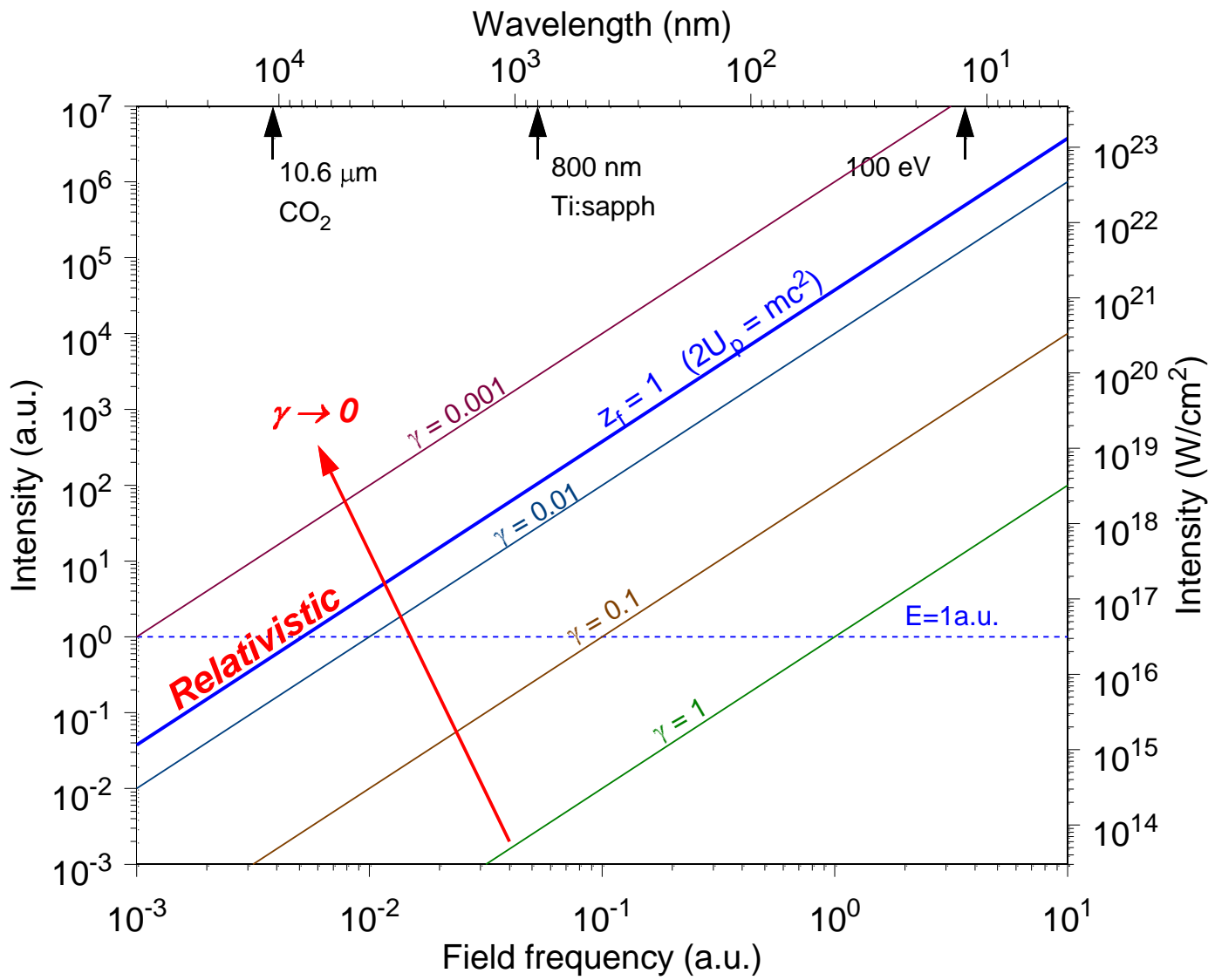


TUNNELING THEORIES FOR LASER-INDUCED PROCESSES ARE LIMITED TO THE SHADED AREA



LIMIT $\gamma \rightarrow 0$ IS RELATIVISTIC, NOT CLASSICAL



A DOUBLE-PEAKED SPECTRUM OBSERVED AT A LONG WAVELENGTH CANNOT BE EXPLAINED BY TUNNELING

Xenon

$10.6\mu\text{m}$, $10^{14}\text{W}/\text{cm}^2$, 1ns

Xiong, Yergeau, Chin, Lavigne
J. Phys. B **21**, L159-L164 (1988)

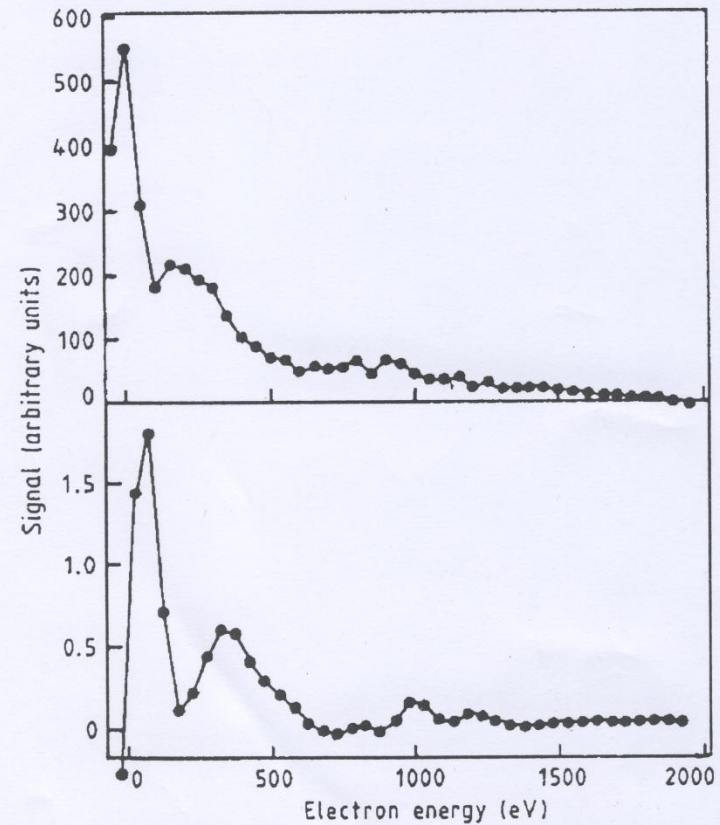
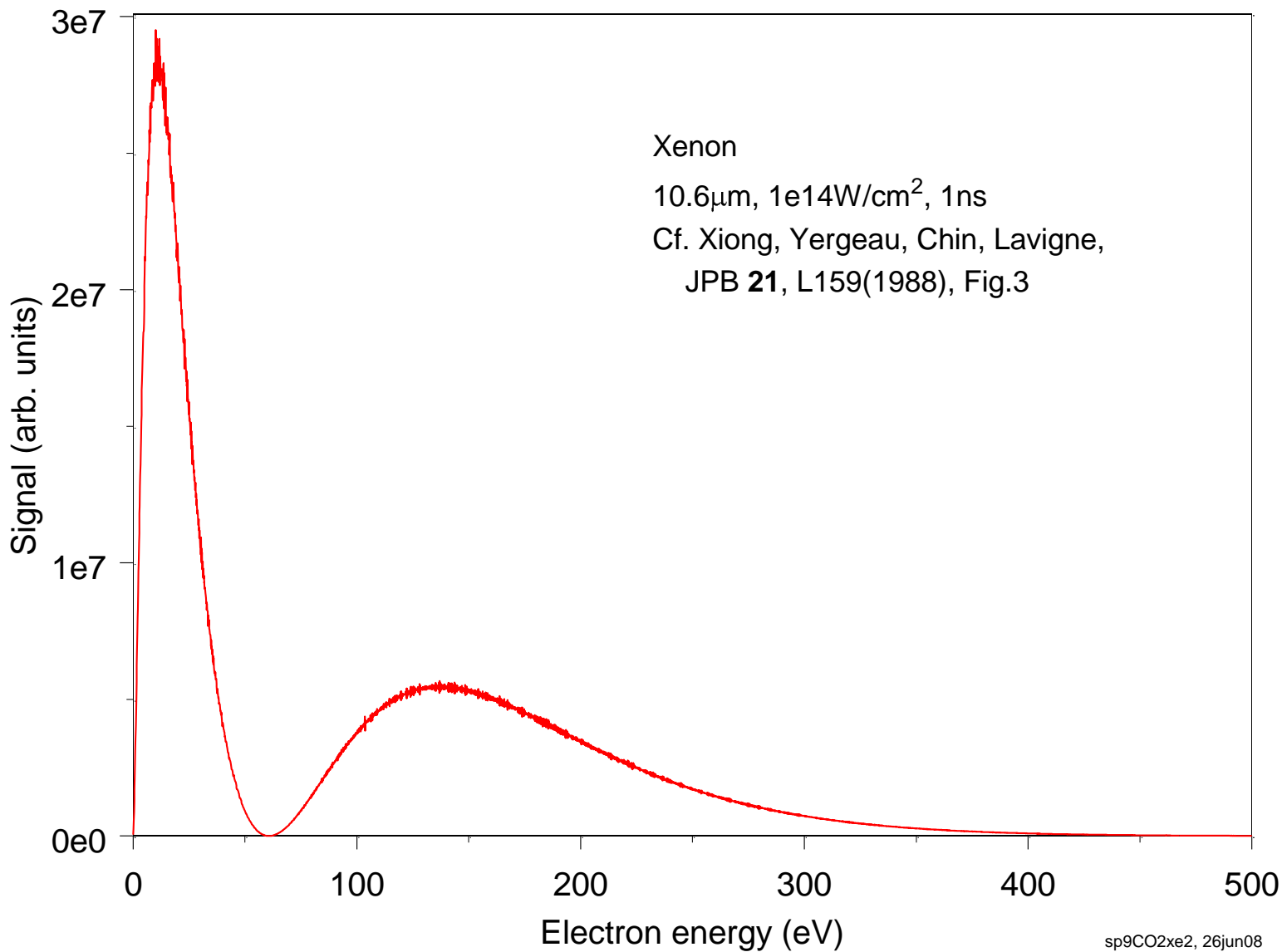


Figure 3. Spectrum of Xe at a peak laser intensity of about 10^{14}W cm^{-2} . The top part shows the unsmoothed integrated spectrum, while the bottom part shows the derivative after two smoothing passes.

THE LONG-WAVELENGTH DOUBLE-PEAK SPECTRUM IS PREDICTED BY THE SFA



A SPLIT-PEAK CIRCULAR POLARIZATION SPECTRUM IS A NOVEL SFA PREDICTION

